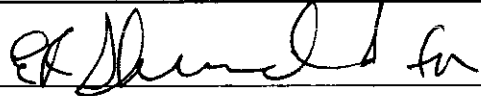
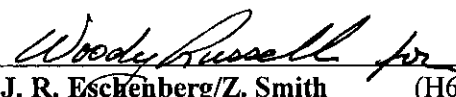
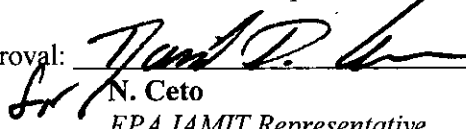


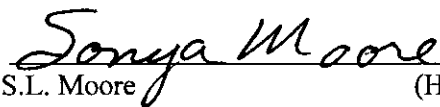
**Office Of River Protection
Tri-Party Agreement Milestone Review
Meeting Minutes
August 16, 2007**

Approval:  Date: 10/18/07
J. Hedges (H0-57)
Ecology IAMIT Representative, Chairperson

Approval:  Date: 10/18/07
J. R. Eschenberg/Z. Smith (H6-60)
DOE IAMIT Representative

Approval:  Date: 10/18/07
N. Ceto (B1-46)
EPA IAMIT Representative

Minutes Prepared by:

 Date: 10-22-07
S.L. Moore (H8-40)
Fluor Hanford, Inc.

Abdul, Wahed*	ORP	H6-60	Miera, F.R.*	CH2M	H6-03
Babel, C.A.*	ORP	H6-60	Morrison, R.E.*	PAC	
Bilson, H.E.	FH	H8-20	Niles, K.	OOE	
Bohnee, G.	NPT		Noland, T.W.*	FH	H8-12
Caggiano, J.A.*	Ecology	H0-57	Noyes, D.L.*	ORP	H6-60
Ceto, N.*	EPA	B1-46	Olinger, S.J.	ORP	H6-60
Chalk, S.	RL	A7-75	Piippo, R.	FH	H8-12
Cimon, S.	ODE		Post, T.C.*	EPA	B1-46
Cusack, L.J.*	Ecology	H0-57	Quintero, R.A.*	ORP	H6-60
Dahl, S.L.*	Ecology	H0-57	Russell, R.W.*	ORP	H6-60
Engelmann, R.H.*	FH	H8-12	Skinnarland, R.R.	Ecology	H0-57
Eschenberg, J.R.	ORP	H6-60	Smith, T.Z.	ORP	H6-60
Fredenburg, E.A.	Ecology	H0-57	Speer, B.*	Ecology	H0-57
Furlong, P.T.*	ORP	H6-60	Stevens, A.J.*	ORP	H6-60
Harris, S.	CTUIR		Thompson, J.*	ORP	H6-60
Hedges, J.	Ecology	H0-57	Uziemblo, N.H.	Ecology	H0-57
Henry, D.	OOE		Vance, J.G.	FH	H8-12
Horst, L.	OOE		Voogd, J.A.*	CH2M	H6-03
Irby, D.H.*	ORP	H6-60	Weil, S.R.*	RL	H5-16
Jackson, D.E.	RL	A4-52	Whalen, C.L.*	Ecology	H0-57
Jim, R.	Yakama		Wiegman, S.A.	ORP	H6-60
Knox, K.E.*			Wolf, A.	CTUIR	
Lober, R.W.*	ORP	H6-60	Administrative Record		H6-08
Louie, C.S.	ORP	H6-60			
Long, J.D.*	ORP	H6-60			
Luke, J.J.*	CH2M	H6-03			
Lyon, J.J.*	Ecology	H0-57			

* Attendees

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**Office of River Protection
Tri-Party Agreement Quarterly Milestone Review
Meeting Minutes
August 16, 2007**

M-045, -050, -060, Single-Shell Tank Corrective Action

M-045-55-T04 scope has been moved to the M-045-55 milestone and a change request has been submitted to move this due date to January 2008.

M-045-58 scope has been repackaged and rescope to address C Area only; a change request has been submitted requesting this change.

M-045-60 also has a change request in to rescope this milestone towards the C waste management area.

Significant Accomplishments - The Surface Geophysical Exploration Expert Panel Report 2 has been submitted to ORP. Also, the T Farm interim barrier bid was successfully awarded last week. Construction should begin by the end of the month. EPA asked what that bid came in at and ORP stated it was \$1.8M. A lot of significant savings were realized in use of generic materials. This made up for significant cost overruns associated with sole sourcing the contract.

M-045-00, Complete Closure of All Single-Shell Tank Farms

This milestone is now statused as to be missed. Since this is associated with the major negotiations underway, additional information will not be presented in this meeting.

M-045-00B - Regarding the spill that occurred on July 27, 2007 in the S-102 pumping system, ORP reported that the High Resolution Resistivity (HRR) system that was recently installed did not detect the leak. The spill occurred in an area immediately above the tank, and was probably too small to be detected. Additional information is presented under Tank 241-C-102.

The mobile retrieval system (MRS) TWRWP revision for tanks C-101, C-105 and C-111 (known as C-101 TWRWP) was submitted to Ecology in April 2007 for review. Ecology requested an extension to June 30 for review. Ecology will provide a status of its review, and whether it will request another extension. Tank C-110 originally was included in the C-101 TWRWP, and it was removed and a separate C-110 TWRWP was prepared. Ecology expressed concern that this document has been in the review process since April and has not been completed as yet.

Significant Planned Activities

Retrieval in C-108 was stopped in the March/April 2007 time frame because the modified sluicing (MS) reached its limit. ORP decided to pursue a second technology after MS called the FoleTrak. The vehicle is in procurement and delivery is expected in September. Testing of the new technology will be performed, and the tank is expected to be redeployed in October. A temporary diversion box was procured and delivered, which will allow switching between C-108 and C-109, depending on the operation parameters at the time. Both tanks are ~88% complete with 6-8K gallons of waste left in them.

SST Retrieval Sequence Document

M-045-02M - ORP reported that Rev 2A of the RPP-21216 document was submitted to Ecology in June 2007, following numerous workshops with Ecology to resolve issues and comments from the previous submittal. ORP considers this milestone complete, but stated it has not received a formal response from Ecology whether the document is satisfactory. Following a brief discussion, Ecology agreed that the milestone has been met and the document is acceptable. All parties will use this as a lessons learned for submittal of M-045-02N, which is due in March 2008.

Tank 241-S-102

M-045-05A - On July 27, 2007, retrieval in S-102 was suspended following a leak in the pumping system. ORP has put a recovery plan in place. A fixative has been applied to the contaminated area three times in an attempt to keep the contamination in place. Routine surveys, full rad surveys, and industrial hygiene monitoring are being performed daily to verify the contamination is not spreading. Planning for removal of the failed dilution hose is ongoing. Once the hose is removed, some of the contaminated equipment and soil will be removed. Eventually the spill area will be backfilled with clean soil and checked to ensure the area is clean enough to proceed with work and start retrieval. ORP noted that the recovery plan effort is directed at cleaning up the spill, and action has not been taken to assess the status of the equipment and continuing retrieval.

In addition to ORP managing the recovery plan, CH2M Hill has set up three separate investigation teams: a team focused on the spill; a team focused on the follow-on response actions; and a team to look at all the health effects. ORP is coordinating all of those activities. On August 15, 2007, DOE Headquarters determined it will do a Type A investigation (highest level), which will be led out of the Health and Safety group (HSS).

EPA inquired about rolling over the retrieval crew from S Farm to C Farm. ORP responded that the majority of the resources will be used for cleanup and recovery. CHG added that it will be seeking regulator input before execution of recovery of the dilution hose.

A brief discussion was held regarding disposition of the contaminated soil. ORP stated that the soil will be characterized. Ecology noted that the hose still contains some liquid, which will have to be managed.

M-045-05A and M-045-15 - Ecology initiated a discussion regarding the retrieval date for S-102 and the milestone date for the closure demonstration plan. It was noted that submittal of the closure plan has been on hold until the EIS is issued. It was agreed that since the retrieval date has been missed, the milestone date for the closure demonstration could be changed until sometime after the EIS is issued.

Tank 241-S-112

M-45-13 - Discussed in conjunction with M-45-05A and M-45-15. It was agreed that changes in requirements for the documentation to satisfy M-45-13 would be discussed.

M-023-00, Tank Integrity and Monitoring

The "241-BY-ITS1 Liquid Level Assessment Report," RPP-RPT-32085, Revision 0 was transmitted to Ecology on June 8, 2007, which satisfied the M-023-26 portion of M-023-00. ORP stated that M-023-00 is now considered complete and requested Ecology concurrence at the next meeting. Ecology stated they did not want ORP considering this milestone as closed until approval was received from Ecology.

In Tank Characterization and Summary

ORP discussed some problems they have experienced with the sampling truck used to obtain Tank 241-U-361 core samples. A similar problem occurred three or four months ago and repairs were made, but alternative methods may need to be explored.

Ecology asked about the Vadose Zone Area C DQO, but ORP was not able to provide an up to date status.

Action: Ecology requested that ORP provide information on the Vadose Zone Area C DQO.

M-047-00, Complete Work Necessary to Support Acquisition and Phase I Operations of Hanford Site High-Level Radioactive Waste Treatment, Storage and Disposal Facilities

M-047-02 and M-047-04 - ORP noted that the close-out letter received from Ecology on July 25, 2007 regarding these two milestones listed the due dates as March 31 and 30, 2007, respectively, and it was pointed out that change request M-47-03-01 in December of 2003 changed both of the dates to March 31, 2009.

M-047-06 - ORP stated this was pending the ongoing negotiations and Ecology noted that this was similar to the M-062 milestones and would need to be addressed after the rebaseline activities.

Evaporator Campaigns – ORP stated there has been a total waste volume reduction of approximately 902,000 gallons and the goal is to achieve 1.2 million gallons. Ecology asked if ORP was expecting to obtain an extra 300,000 gallons of space. ORP explained that AP-103 achieved ~600,000 gallons of total volume reduction and so far AP-104 has achieved ~300,000 gallons. ORP expects to achieve ~1.2 million gallons in total volume reduction by the time AP-104 is completed.

M-048-00, DST Integrity Assessment Program

M-048-15 – ORP stated that five of the six DST Ultrasonic Testing (UT) reports have been reviewed. The sixth UT is completed but the report has not been produced. When this is completed, it will complete this milestone, which will also complete the major milestone.

Ecology noted that they would provide a letter that the work was completed adequately in order to close out the major milestone. Ecology also noted that they expect ORP to continue to collect UT information and ORP agreed that was part of the licensing strategy.

M-090-00, Complete Acquisition of New Facilities, Modifications of Existing Facilities, and/or Modifications of Planned Facilities, as Necessary for Storage of Hanford Site Immobilized High Level Waste (IHLW), Immobilized Low Activity Waste (ILAW), and Disposal of ILAW, and M-020-00, Submit Part B Permit Applications.

Ecology asked why the M-090-10 status was ‘closed’ rather than ‘completed.’ CHG responded that the status indicates that everything has been done that can be done within the intent of the milestone. ORP added that a letter had been written, and it was also agreed to and documented in the last IAMIT meeting minutes that the milestone was closed. *(NOTE: It was subsequently verified that this was documented in minutes of the last ORP TPA Quarterly meeting held on 5-17-07.)*

Significant Planned Actions

Ecology stated that it is finishing up the responsiveness document and has worked through most of the issues with EPA. The IDF permit currently states that once the baseline monitoring is completed, unfiltered samples will be done. Discussion centered around whether to put Part A and B of the permit on hold, or withdraw them and resubmit at a later date. This would require another public review process.

Action: ORP will determine what the path forward is on the IDF permit modification.

Cost & Schedule Performance (CHG)

There was considerable discussion regarding the cost and schedule performance section of the handout. Ecology noted that for the TRU/LLW packaging (page 36), one of the schedule variances is due to the delay in converting an RD&D permit to an extensive Part B permit.

Ecology pointed out that an RD&D permit was never considered. ORP responded that that was old language and should be stricken. ORP also added that reference to the RD&D permit should not be in the baseline. Ecology also pointed out references on the LAW treatment (page 38) to steam reforming, containerized grout treatment, and sulfate treatment, and inquired whether those are contained in the baseline. ORP responded that it will provide a more detailed answer to Ecology. ORP noted that the scope description on page 38 is a life cycle description versus the year.

Action: Ecology requested that the scope description reflect the current year or period of time that ORP is reporting on.

M-62-08, Submittal of Hanford Tank Waste Supplemental Treatment Technologies Report, Draft Hanford Tank Waste Treatment Baseline and Draft Negotiations Agreement in Principle

Significant Accomplishments

Preparation for the integrated dryer melt test is ongoing; ORP noted that the regulators had been to the site to observe this activity. The melt test was 87 percent full as of this morning and ORP expects this to wind up tomorrow and power down. Also, the draft project cost estimate and schedule baseline was completed, which is in support of Critical Decision 2.

Significant Planned Actions

ORP stated that the pre-brief to EM-1 on the full-scale dryer testing is scheduled for September 25, 2007, and the expectation is for CD 2 approval by the end of September. The CD 2 allows for finalization of the design. Approval of CD 3 is anticipated March 2008, which will allow for procurement.

ORP explained that it takes about two weeks for the dryer to cool down and that qualitative evaluations could begin at that time. Ecology asked if HQ would make their decision about CD 2 based on this qualitative information and ORP responded yes, but a report of the analytical results would probably not be available until December.

Hanford Waste Treatment and Immobilization Plant (WTP) Project

ORP announced that the Secretary of Energy has signed the 2005 seismic spectra as final, allowing for resumption of construction in the High-Level Waste Vitrification (HLW) Facility and the Pretreatment (PT) Facility. The Secretary has also allowed that if needed, with justification, the new spectra could be used on a case-by-case basis.

Construction in HLW is expected to begin in a couple weeks, and the first concrete placement on a grade level slab is anticipated for October 1, 2007. Start of construction in PT will begin in January 2008.

A discussion was held regarding the evaluation of the PT capabilities as designed, noting that between 1% and 3% of the waste could cause mixing or line plugging difficulties. Ecology noted its concern regarding the potential plugging issue, and requested involvement as the path forward is developed.

Regarding the LAW vitrification facility, Ecology noted the importance of having adequate personnel present to witness required witness points as construction proceeds to installation of tank systems.

Cost and Schedule Performance

Currently at the LAW facility, engineering and construction are almost on schedule, but both are still over cost. The big issue for the entire WTP is plant equipment and plant material, which are behind schedule and over cost. A lot of procurement was stopped in 2005 due to the seismic issue, and vendors for PTL and PT are claiming this is new work since they were put on hold for two years. Ecology requested a cost status for the PT and HLW facilities.

Balance of Facilities (BOF)

ORP noted that the table provided today for BOF status is incomplete, and it is being updated to provide the year.

BOF Significant Planned Actions

EPA inquired about potential issues with purchasing equipment several years before it is put in use, such as the diesel generators. ORP acknowledged that it is an issue, and that Bechtel has assigned a senior manager at Washington Group to manage the maintenance of such equipment.

Office of River Protection

Tri-Party Agreement
Quarterly Milestone Review Meeting
August 16, 2007



U.S. Department of Energy
U.S. Environmental Protection Agency
Washington State Department of Ecology

3rd Quarter 2007

Agenda

Office of River Protection
Tri-Party Agreement
Quarterly Milestone Review Meeting
Ecology Offices
August 16, 2007
9:00 a.m. – 12:00 p.m.

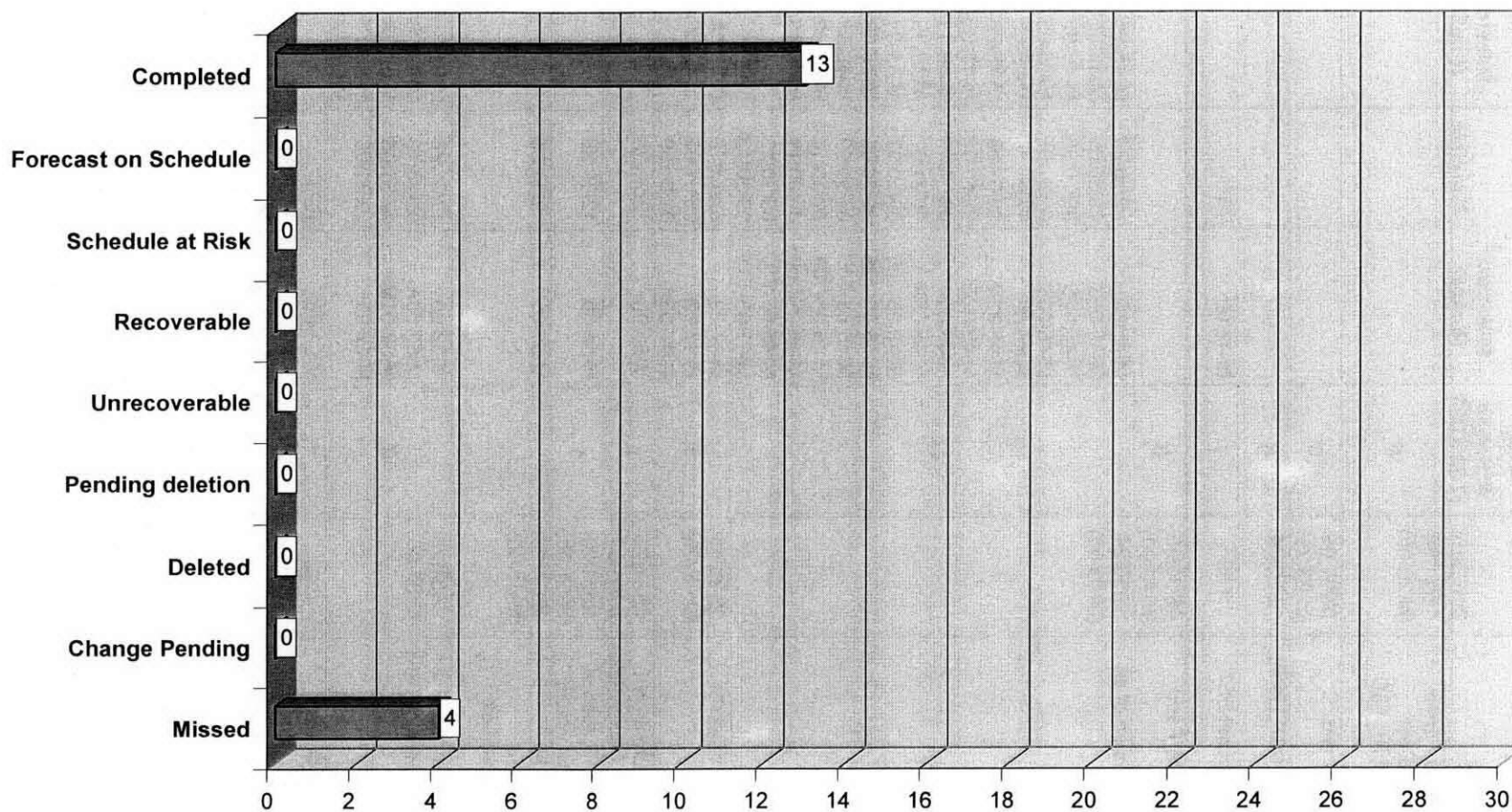
Page	Topic	Leads	Time
3	TPA Milestone Statistics	Woody Russell Suzanne Dahl / Jeff Lyon	9:00
45	M-45, -50, -60 Single-Shell Tank Corrective Action	Bob Lober / Joe Caggiano	9:10
47	M-45-00, Complete Closure of All Single- Shell Tank Farms	Roger Quintero / Jeff Lyon	9:30
56	Interim Stabilization Consent Decree	John Long / Nancy Uziemblo	10:00
57	M-23-00, Tank Integrity and Monitoring	John Long / Jeff Lyon	10:10
58	In Tank Characterization and Summary	John Long / Michael Barnes	10:20
59	M-47-00, Tank Waste Treatment, Storage and Disposal Facilities	Corbun Babel / Les Fort	10:30
61	M-48-00, DST Integrity Assessment Program	Andy Stevens / Les Fort	10:40
63	M-90-00, Complete Acquisition of Facilities for Interim Storage of IHLW and Storage/ Disposal of ILAW and M-20, Part B Permits	Andy Stevens / Bud Derrick	10:50
	BREAK		
13	FY 2007 ORP TPA Cost & Schedule Performance (CHG)	Janet Diediker Suzanne Dahl / Jeff Lyon	11:10
78	M-62-08, M-62-11 Bulk Vitrification/Supplemental Technologies	Dennis Irby/Suzanne Dahl	11:20
65	BNI Cost & Schedule Performance and M-62-00, Complete Pretreatment Processing and Vitrification of Tank Wastes	Bruce Nicoll / Pete Furlong / Wahed Abdul / Suzanne Dahl	11:30

TPA Milestone Statistics

(Including target milestones)

Milestone	Due Date	Total Active as of 03/31/06	Milestone Number	Due Date	Milestone Number	Due Date
M-20-00 , Submit Part B Permit Application on Closure/Post Closure Plans for all RCRA TSD Units	12/31/08 (M-20-00)	0				
M-23-25 , Tank Integrity and Monitoring	03/31/05 (M-23-25)	0				
M-23-27 , Complete 244-CR Liquid Level Assessment	12/30/04	0				
M-42-00 , Provide Additional DST Capacity	TBD	1	M-42-00	TBD		
M-43-00 , Complete Tank Farm Upgrades	06/30/05 (M-43-00)	0				
M-45-00 , Complete Closure of all SST Farms	09/30/24 (M-45-00)	31	M-45-00	09/30/24	M-45-05-T12	09/30/14
			M-45-00B	09/30/06	M-45-05-T13	09/30/15
			M-45-00C	09/30/06	M-45-05-T14	09/30/16
			M-45-00D	01/31/08	M-45-05-T15	09/30/17
			M-45-02	TBD	M-45-06	09/30/24
			M-45-02N	03/01/08	M-45-06-T03	03/31/12
			M-45-02O	03/01/10	M-45-06-T04	03/31/14
			M-45-05	09/30/18	M-45-13	12/31/07
			M-45-05A	03/31/07	M-45-15	12/31/07
			M-45-05-T05	09/30/07	M-45-55	01/31/07
			M-45-05-T06	09/30/08	M-45-56	TBD
			M-45-05-T07	09/30/09	M-45-58	06/30/07
			M-45-05-T08	09/30/10	M-45-59	TBD
			M-45-05-T09	09/30/11	M-45-60	09/30/07
			M-45-05-T10	09/30/12		
			M-45-05-T11	09/30/13		
M-47-00 , Complete All Work for Phase 1 Operations	02/28/18 (M-47-00)	5	M-47-00	02/28/18	M-47-04	03/31/09
			M-47-02	03/31/09	M-47-06	06/30/10
			M-47-03A	03/31/09		
M-50-00 , Complete Pretreatment Processing of Hanford Tank Waste	12/31/28 (M-50-00)	1	M-50-00	12/31/28		
M-51-00 , Complete Vitrification of Hanford High Level Tank Waste	12/31/28 (M-51-00)	1	M-51-00	12/31/28		
M-61-00* (alternate path), Complete Pretreatment & Immobilization of Hanford Low Activity Tank Waste	12/31/28 (M-61-00)	1	M-61-00	12/31/28		
M-62-00 , Complete Pretreatment Processing and Vitrification of Tank Wastes	12/31/28 (M-62-00)	9	M-62-00	12/31/28	M-62-07B	12/31/07
			M-62-00A	02/28/18	M-62-08	06/30/06
			M-62-01M	07/31/06	M-62-09	02/28/09
			M-62-03	12/31/06	M-62-10	01/31/11
					M-62-11	06/30/07
M-90-00 , Interim Storage and Disposal of LAW and Interim Storage of HLW	TBD (M-90-00)	3	M-90-00	TBD		
			M-90-10	08/31/08		
			M-90-11	08/31/10		
M-48-00 , DST Integrity Program, Submit Results of 4 DSTs not Previously Examined	09/30/07	4	M-48-00	09/30/07	M-48-07A	06/30/06
			M-48-15	09/30/07	M-48-07B	06/30/06
Interim Stabilization Consent Decree	09/30/04 (D-001-00)	1	D-001-00			
Total Active Milestones:		57				

FY 2006 MILESTONE PERFORMANCE



Fiscal Year 2006 Tri-Party Agreement Milestone Status											
Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
D-001-00-R26	DOE Shall, On A Quarterly Basis, Submit To Ecology A Written Report Documenting Tank Stabilization Activities That Occurred During The Period Covered By The Report. This Written Report Shall Provide The Status Of Progress Made During The Reporting Period.	10/31/05	10/31/05								
M-048-07A-A	Complete construction of the AZ-301 condensate return system and remove the AZ-151 catch tank system from service by October 31, 2005. This scheduled deliverable is a subset of M-48-07A, and thus labeled as M-48-07A-A.	10/31/05	10/31/05								
M-046-21	Complete Implementation Of Double Shell Tank Space Optimization Study Recommendations (Tank Space Options Report Document No. RPP-7702, April 12, 2001).	12/31/05	12/15/05								
M-062-01L	Submit Semi-Annual Project Compliance Report	01/31/06	01/31/06								
M-045-02M	Submit biennial update to SST retrieval sequence document (agreement Appendix I, Section 2.1.2), double shell tank space evaluation document and Ecology concurrence of additional tank acquisition.	3/1/06	3/13/06								
M-048-07A-B	Completion of construction for the 241-AP-106A central pump pit upgrade (remove existing equipment, evaluate pit integrity, and replace pit coating, if necessary. This scheduled deliverable is a subset of M-48-	3/31/06	3/30/06								

Fiscal Year 2006 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
	07A, and thus labeled as M-48-07A-B										
M-048-14	Submit Written Integrity Report For The Double-Shell Tank System	3/31/06	3/31/06								
M-047-05A	Complete startup and turnover activities for waste retrieval and mobilization systems for selected initial low-activity waste feed tank (other than AZ-101 or AZ-102).	4/30/06	02/2/05								
M-045-55-T04	Submit To Ecology For Review And Comment A Draft Field Investigation Report Combining The Results Of Field Investigations And Analysis For WMAs A-AX, C & U Pursuant To The Site-Specific SST WMA Phase 1 RFI/CMS Work Plan Addenda For WMA A-AX, C And U. As part of the Phase 2 Vadose Zone project renegotiations, being developed, this target milestone scope will be included in M-45-55 Phase 1 Rollup documentation due in 1/07. Project continues to complete field characterization activities per approved work plan, but will defer stand alone paper study for additional characterization during phase 1.	04/30/06						X			X
M-048-07A	Complete construction of the AZ-301 condensate return system and pit upgrades. This includes: 1) Complete construction of the AZ-301 condensate return system and remove the AZ-151 catch tank system from service [see M 45-07A-A]; 2) Complete construction of AP-106A Central Pump upgrade [M 48-07A-B]; and 3) complete	06/30/06	06/28/06								

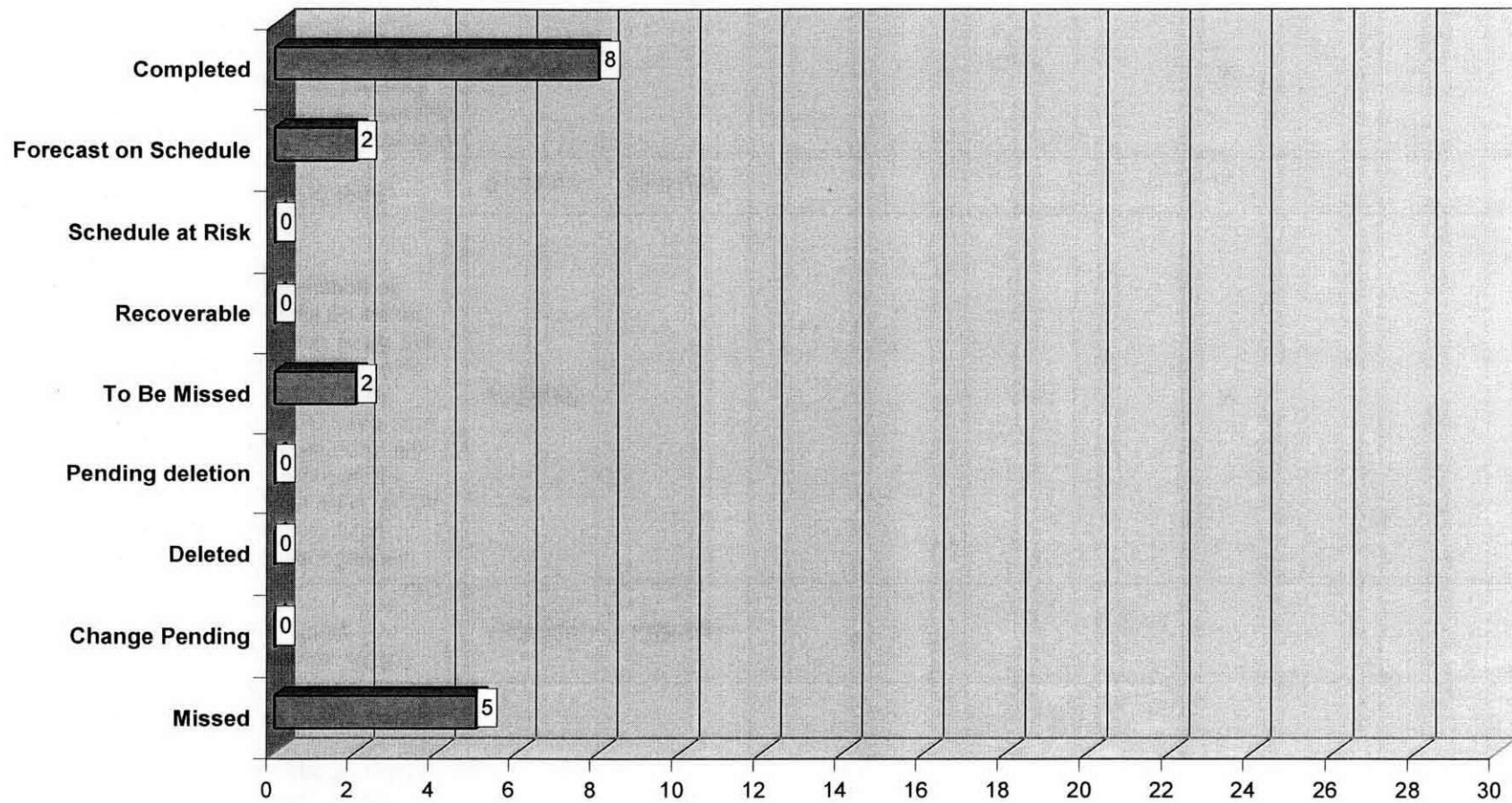
Fiscal Year 2006 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
	construction of SY-B Valve Pit upgrade [see M 48-07A-C].										
M-048-07A-C	Completion of construction for the 241-SY-B valve pit upgrade (remove existing equipment, evaluate pit integrity, and replace pit coating, if necessary). This scheduled deliverable is a subset of M-48-07A, and thus labeled as M-48-07A-C.	06/30/06	06/08/06								
M-048-07B	The Disposition of all Double-Shell Tank Transfer System Components that will not remain in use beyond June 30, 2005.	06/30/06	6/27/06								
M-062-08	Submittal Of Hanford Tank Waste Supplemental Treatment Technologies Report, Draft Hanford Tank Waste Treatment Baseline, And Draft Negotiations Agreement In Principle (AIP).	06/3/06						X			
M-045-56B	Ecology and DOE agree, at a minimum, to meet yearly (by July or as needed to support annual budgeting) for the specific purpose of assessing the adequacy of information, and the need for the establishment of additional agreement interim measures.	07/01/06	09/05/06								
M-062-01M	Submit Semi-Annual Project Compliance Report	07/31/06	07/31/06								
M-045-00B	Complete specified "near term" SST waste retrieval and interim closure activities, to result in the retrieval of all tank wastes in WMA-C SSTs pursuant to the agreement criteria in milestone M-45-00.	09/30/06						X			
M-045-00C	Initiate negotiation of SST waste retrieval and closure activities and associated schedules (for the	09/30/06						X			

Fiscal Year 2006 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
	period February 07 through August 08).										

FY 2007 MILESTONE PERFORMANCE



Fiscal Year 2007 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	To Be Missed	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
D-001-00-R30	DOE Shall, On A Quarterly Basis, Submit To Ecology A Written Report Documenting Tank Stabilization Activities That Occurred During The Period Covered By The Report. This Written Report Shall Provide The Status Of Progress Made During The Reporting Period.	10/31/06	10/31/06								
M-062-03	Submit DOE Petition for RCRA Delisting of Vitrified HLW	12/31/06	12/31/06								
M-045-00C-A	Ecology and DOE negotiations under this milestone shall be completed within 120 days. In the event the parties do not reach agreement within timeframe, the negotiations will be resolved as a resolution of dispute via final determination. Unless otherwise agreed by Ecology and DOE, this final determination will be issued within 150 days of initiation of negotiations.	01/28/07						X			
M-062-01N	Submit Semi-Annual Project Compliance Report	01/31/07	01/31/07								
M-045-55	Submit to Ecology For Review And Approval as an Agreement Primary Document a Phase I RFI Report integrating results of data gathering activities and evaluations for all SST WMAs.	01/31/07						X			X
D-001-00-R31	DOE Shall, On A Quarterly Basis, Submit To Ecology A Written Report Documenting Tank Stabilization Activities That Occurred During The Period	01/31/07	01/31/07								

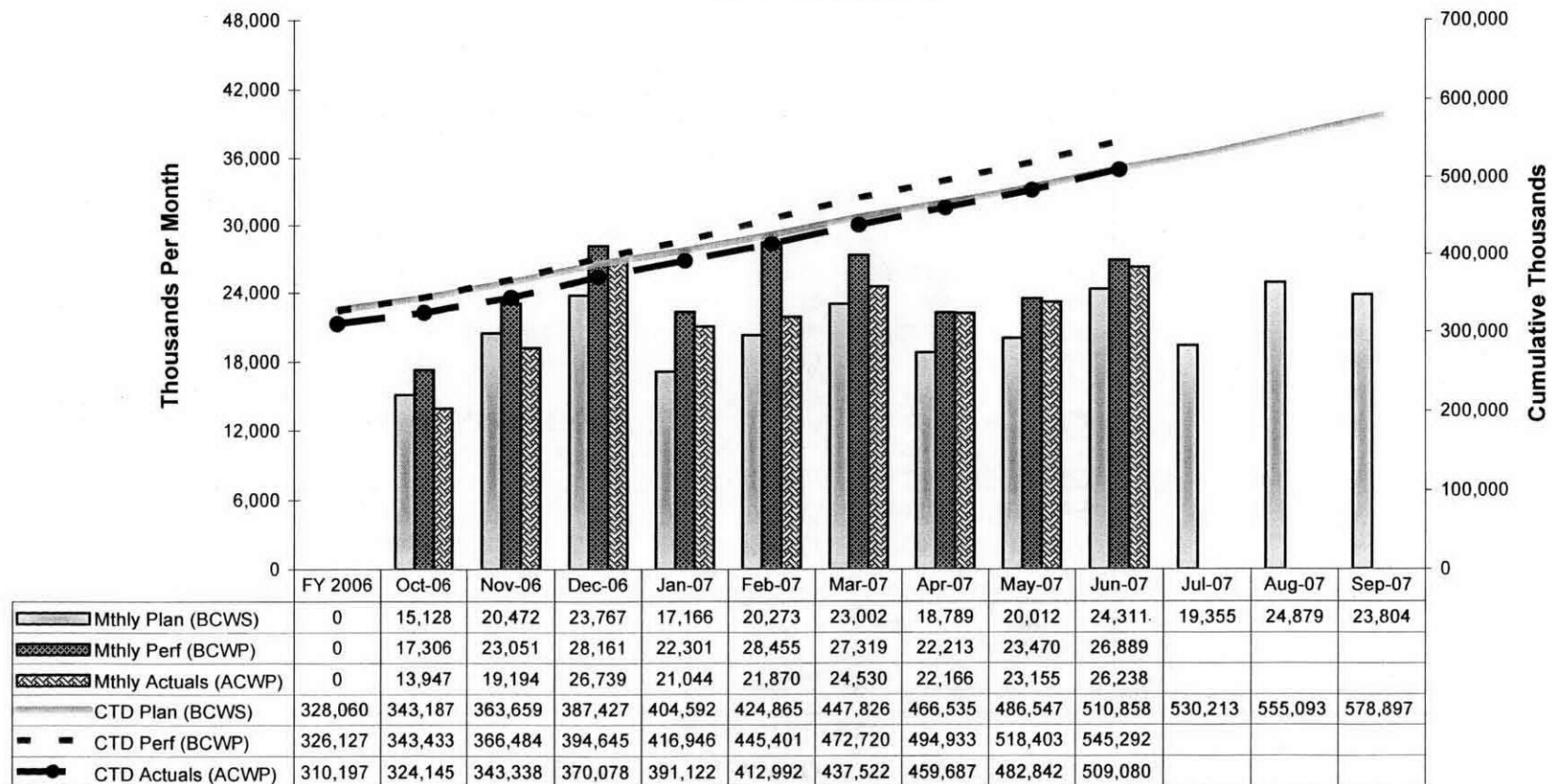
Fiscal Year 2007 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	To Be Missed	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
	Covered By The Report. This Written Report Shall Provide The Status Of Progress Made During The Reporting Period.										
M-045-05A	Complete Waste Retrieval from S-102	3/31/07						X			
D-001-00-R32	DOE Shall, On A Quarterly Basis, Submit To Ecology A Written Report Documenting Tank Stabilization Activities That Occurred During The Period Covered By The Report. This Written Report Shall Provide The Status Of Progress Made During The Reporting Period.	04/30/07	04/27/07								
M-045-58	Submit to Ecology for review and approval as an Agreement Primary Document a corrective measures study for interim corrective measures (pending results and conclusions in the Phase 1 RFI report- Milestone M-45-55 or subsequent RFI reports).	06/30/07						X			X
M-062-11	Submit a Final Hanford Tank Waste Treatment Baseline. Following completion of negotiations required by M-62-08, DOE will modify its draft baseline as required and submit its revised, agreed-to baseline for treating all Hanford Tank Waste (HLW, LAW, and TRU) by 12/31/2028.	06/30/07						X			
M-045-56C	Ecology and DOE agree, at a minimum, to meet yearly (by July or as needed to support annual budgeting) for the specific purpose of assessing the adequacy of	07/31/07	07/31/07								

Fiscal Year 2007 Tri-Party Agreement Milestone Status

Milestone No.	Description	Due Date	Completed	Forecast		Recoverable	To Be Missed	Missed	Pending Deletion	Deleted	Change Pending
				On Schedule	Schedule at Risk						
	information, and the need for the establishment of additional agreement interim measures.										
D-001-00-R33	DOE Shall, On A Quarterly Basis, Submit To Ecology A Written Report Documenting Tank Stabilization Activities That Occurred During The Period Covered By The Report. This Written Report Shall Provide The Status Of Progress Made During The Reporting Period.	07/31/07	07/30/07								
M-062-010	Submit Semi-Annual Project Compliance Report	07/31/07	07/31/07								
M-045-60	Submit to Ecology for review and approval as an Agreement Primary Document DOE's RFI/CMS work plan for all SST WMAs.	09/30/07					X				X
M-048-15	Submit a report to Ecology for the re-examination of six (6) DSTs by ultrasonic testing in all areas previously examined to provide comparative data from which to calculate corrosion rates in each of the six DSTs examined.	09/30/07		X							
M-045-05-T05	Initiate tank retrieval from five additional Single-Shell tanks.	09/30/07					X				
M-048-00	Complete Tank Integrity Assessment activities for Hanford's Double Shell Tank (DST) system.	09/30/07		X							

CURRENT MONTH/CONTRACT TO-DATE PERFORMANCE – GRAPH

CH2M HILL CTD Performance (\$000)
10/2005 - 06/2007

BCWS = Budgeted Cost For Work Scheduled

BCWP = Budgeted Cost for Work Performed

ACWP = Actual Cost for Work Perform

CURRENT MONTH (CM) PERFORMANCE - CHART

CH2M HILL Hanford Group, Inc.
 CURRENT MONTH PERFORMANCE MEASUREMENT - 06/2007
 BY WORK BREAKDOWN STRUCTURE
 Dollars in Thousands

WBS	TITLE	Current Month						
		Budgeted Cost		Actual Cost Work Performed	Variance			
		Work Scheduled	Work Performed		Schedule	SV %	Cost	CV %
5.07	BASE OPERATIONS - Excluding 5.07.02	12,642.7	12,675.7	11,956.5	33.1	0.3%	719.2	5.7%
5.07.02	Env/TPA Milestone Achievement	<u>1,718.3</u>	<u>1,677.9</u>	<u>1,748.4</u>	<u>(40.3)</u>	-2.3%	<u>(70.5)</u>	-4.2%
	TOTAL BASE OPERATIONS	<u>14,360.9</u>	<u>14,353.7</u>	<u>13,705.0</u>	<u>(7.3)</u>	-0.1%	<u>648.7</u>	4.5%
5.08	RETRIEVE AND CLOSE - Excluding foll. WBS Elements	0.0	21.8	35.2	21.8	21.8%	(13.4)	-61.4%
5.08.02	WTP Feed Delivery Program	691.7	691.7	607.2	(0.1)	0.0%	84.5	12.2%
5.08.03	DST Retrieval Program	0.0	0.0	0.0	0.0	0.0%	0.0	0.0%
5.08.04.01	Tank Farm Restoration and Safe Operations (W-314)	0.0	262.9	329.6	262.9	262.9%	(66.7)	-25.4%
5.08.04.02	Upgrade Transfer System (E-525)	0.0	0.0	0.0	0.0	0.0%	0.0	0.0%
5.08.05	Retrieval / Closure Program	5,070.9	5,028.1	4,895.4	(42.7)	-0.8%	132.7	2.6%
5.08.06/.07	SST Retrieval East / West Area	1,486.2	3,719.6	3,138.2	2,233.3	150.3%	581.3	15.6%
5.08.12/.13	SST Closure	<u>30.4</u>	<u>30.4</u>	<u>45.4</u>	<u>0.0</u>	0.0%	<u>(15.0)</u>	-49.5%
	TOTAL RETRIEVE AND CLOSE	<u>7,279.2</u>	<u>9,754.4</u>	<u>9,051.1</u>	<u>2,475.2</u>	34.0%	<u>703.3</u>	7.2%
5.09	TREAT AND DISPOSE WASTE - Excl. foll. WBS Elements	460.6	456.2	214.9	(4.4)	-0.9%	241.4	52.9%
5.09.02.02	TRU / LLW Packaging	0.0	0.0	0.0	0.0	0.0%	0.0	0.0%
5.09.02.03/.08	LAW Treatment	67.5	67.5	157.4	0.0	0.0%	(89.9)	-133.2%
5.09.02.05/.11	Bulk Vitrification System (BVS) Project	0.0	299.3	624.7	299.3	299.3%	(325.4)	-108.7%
5.09.03.01	Integrated Disposal Facility	0.0	0.0	(22.8)	0.0	0.0%	22.8	22.8%
5.09.03.04	Initial IHLW Storage Facility (W-464)	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	0.0%	<u>0.0</u>	0.0%
	TOTAL TREAT AND DISPOSE WASTE	<u>528.0</u>	<u>823.0</u>	<u>974.1</u>	<u>294.9</u>	55.9%	<u>(151.1)</u>	-18.4%
5.10	ANALYTICAL/TECHNICAL SERVICES	<u>2,143.1</u>	<u>1,958.0</u>	<u>2,507.5</u>	<u>(185.1)</u>	-8.6%	<u>(549.6)</u>	-28.1%
TFC TOTAL		<u>24,311.3</u>	<u>26,889.0</u>	<u>26,237.7</u>	<u>2,577.7</u>	10.6%	<u>651.3</u>	2.4%

BCWS = Budgeted Cost For Work Scheduled

BCWP = Budgeted Cost for Work Performed

ACWP = Actual Cost for Work Perform

CONTRACT-TO-DATE PERFORMANCE - CHART

CH2M HILL Hanford Group, Inc. CONTRACT-TO-DATE PERFORMANCE MEASUREMENT - 10/2005 - 06/2007 BY WORK BREAKDOWN STRUCTURE Dollars in Thousands

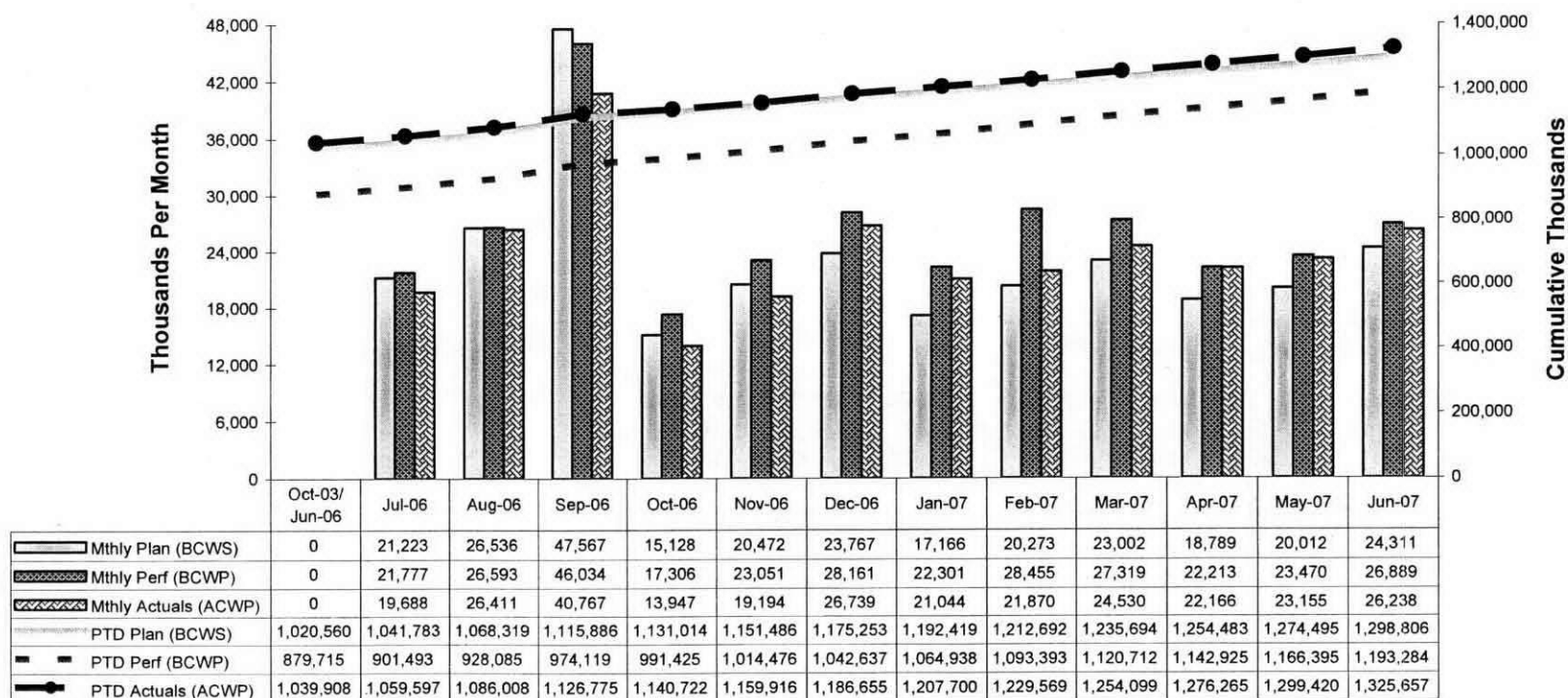
241-C-110 WBS Elements										
WBS	TITLE	Cumulative Contract-To-Date			Variance				Budget at Completion (BAC)*	Estimate at Completion (EAC)**
		Budgeted Cost		Actual Cost Work Performed	Schedule	SV %	Cost	CV %		
		Work Scheduled	Work Performed							
5.07	BASE OPERATIONS - Excluding 5.07.02	252,866.6	253,902.6	235,832.7	1,036.0	0.4%	18,069.9	7.1%	428,739.4	395,178.2
5.07.02	Env/TPA Milestone Achievement	<u>31,718.2</u>	<u>33,840.8</u>	<u>33,353.1</u>	<u>2,122.6</u>	6.7%	<u>487.7</u>	1.4%	<u>49,280.8</u>	<u>52,898.8</u>
	TOTAL BASE OPERATIONS	<u>284,584.8</u>	<u>287,743.3</u>	<u>269,185.8</u>	<u>3,158.6</u>	1.1%	<u>18,557.6</u>	6.4%	<u>478,020.1</u>	<u>448,077.0</u>
5.08	RETRIEVE AND CLOSE - Excluding foll. WBS Elements	0.0	268.4	208.0	268.4	268.4%	60.4	22.5%	0.0	222.9
5.08.02	WTP Feed Delivery Program	12,652.0	12,652.0	11,451.5	0.0	0.0%	1,200.5	9.5%	22,019.8	20,034.6
5.08.03	DST Retrieval Program	1,676.3	1,676.3	2,141.1	0.0	0.0%	(464.8)	-27.7%	1,676.3	2,567.6
5.08.04.01	Tank Farm Restoration and Safe Operations (W-314)	2,865.8	5,430.5	5,573.1	2,564.8	89.5%	(142.5)	-2.6%	2,865.8	11,560.8
5.08.04.02	Upgrade Transfer System (E-525)	2,712.4	2,712.4	2,982.8	0.0	0.0%	(270.4)	-10.0%	2,712.4	2,982.8
5.08.05	Retrieval / Closure Program	86,930.3	85,832.5	79,091.4	(1,097.8)	-1.3%	6,741.1	7.9%	147,567.7	143,567.5
5.08.06/07	SST Retrieval East / West Area	37,326.4	57,850.7	48,760.6	20,524.2	55.0%	9,090.0	15.7%	53,309.2	83,225.3
5.08.12/13	SST Closure	<u>690.4</u>	<u>689.6</u>	<u>657.4</u>	<u>(0.8)</u>	-0.1%	<u>32.2</u>	4.7%	<u>1,101.8</u>	<u>1,025.4</u>
	TOTAL RETRIEVE AND CLOSE	<u>144,853.5</u>	<u>167,112.4</u>	<u>150,865.8</u>	<u>22,258.9</u>	15.4%	<u>16,246.5</u>	9.7%	<u>231,252.9</u>	<u>265,186.9</u>
5.09	TREAT AND DISPOSE WASTE - Excl. foll. WBS Elements	7,429.9	7,394.0	6,276.0	(35.9)	-0.5%	1,118.0	15.1%	13,904.0	12,016.4
5.09.02.02	TRU / LLW Packaging	0.0	0.0	65.6	0.0	0.0%	(65.6)	-65.6%	0.0	65.6
5.09.02.03/08	LAW Treatment	1,232.9	1,232.9	1,344.9	0.0	0.0%	(112.0)	-9.1%	2,150.2	2,095.4
5.09.02.05/11	Bulk Vitrification System (BVS) Project	26,639.2	36,340.7	37,987.4	9,701.5	36.4%	(1,646.6)	-4.5%	26,639.2	44,330.9
5.09.03.01	Integrated Disposal Facility	7,132.9	7,132.9	5,366.6	0.0	0.0%	1,766.3	24.8%	7,132.9	5,366.6
5.09.03.04	Initial IHLW Storage Facility (W-464)	<u>109.4</u>	<u>109.4</u>	<u>35.1</u>	0.0	0.0%	<u>74.3</u>	67.9%	<u>109.4</u>	<u>35.1</u>
	TOTAL TREAT AND DISPOSE WASTE	<u>42,544.4</u>	<u>52,209.9</u>	<u>51,075.5</u>	<u>9,665.5</u>	22.7%	<u>1,134.4</u>	2.2%	<u>49,935.7</u>	<u>63,910.0</u>
5.10	ANALYTICAL/TECHNICAL SERVICES	<u>38,875.8</u>	<u>38,226.0</u>	<u>37,952.9</u>	<u>(649.7)</u>	-1.7%	<u>273.1</u>	0.7%	<u>66,823.4</u>	<u>68,749.6</u>
TFC TOTAL		<u>510,858.4</u>	<u>545,291.6</u>	<u>509,080.0</u>	<u>34,433.2</u>	<u>6.7%</u>	<u>36,211.7</u>	<u>6.6%</u>	<u>826,032.1</u>	<u>845,923.5</u>
Note: The following accelerated work is included in the EAC and in the adjusted BAC total: Tanks 241-C-104, 241-C-110, 241-S-102 Retrievals; W-314 and WFO Upgrades work; DST/Cross-Site Transfers; and DBVS Technology Development.					Accelerated scope				<u>98,613.0</u>	
					Adjusted BAC Total				<u>924,645.1</u>	

* BAC on this chart and in succeeding Cumulative Performance tables is for the period FY 2006 - FY 2008.

** EAC on this chart is for the contract period (through FY 2008).

PROGRAM-TO-DATE (PTD) Performance - Graph

CH2M HILL PTD Performance (\$000)
10/2003 - 06/2007



BCWS = Budgeted Cost For Work Scheduled

BCWP = Budgeted Cost for Work Performed

ACWP = Actual Cost for Work Perform

PTD Cost/Schedule Performance - Chart

CH2M HILL Hanford Group, Inc.
CUMULATIVE PERFORMANCE MEASUREMENT - 10/2003 - 06/2007
BY WORK BREAKDOWN STRUCTURE
Dollars in Thousands

WBS	TITLE	Budgeted Cost			Cumulative Program-To-Date				Budget at Completion (BAC) *
		Work Scheduled	Work Performed	Actual Cost Work Performed	Variance				
					Schedule	SV %	Cost	CV %	
5.07	BASE OPERATIONS - Excluding 5.07.02	513,195.6	510,834.2	507,454.6	(2,361.4)	-0.5%	3,379.5	0.7%	688,303.2
5.07.02	Env/TPA Milestone Achievement	89,675.2	83,072.7	73,863.1	(6,602.4)	-7.4%	9,209.6	11.1%	107,237.7
	TOTAL BASE OPERATIONS	602,870.7	593,906.9	581,317.7	(8,963.8)	-1.5%	12,589.1	2.1%	795,540.8
5.08	RETRIEVE AND CLOSE - Excluding foll. WBS elements	6,785.7	7,208.0	4,305.5	422.3	6.2%	2,902.5	40.3%	6,785.7
5.08.02	WTP Feed Delivery Program	34,097.0	33,931.6	42,203.1	(165.5)	-0.5%	(8,271.5)	-24.4%	43,464.8
5.08.03	DST Retrieval Program	30,547.2	21,461.0	25,561.2	(9,086.2)	-29.7%	(4,100.2)	-19.1%	30,547.2
5.08.04.01	Tank Farm Restoration and Safe Operations (W-314)	37,633.4	37,033.4	44,136.5	(600.0)	-1.6%	(7,103.1)	-19.2%	37,633.4
5.08.04.02	Upgrade Transfer System (E-525)	17,307.8	14,165.1	26,709.8	(3,142.7)	-18.2%	(12,544.7)	-88.6%	17,307.9
5.08.05	Retrieval / Closure Program	177,159.0	165,649.0	179,118.1	(11,509.9)	-6.5%	(13,469.1)	-8.1%	237,396.4
5.08.06/.07	SST Retrieval East / West Area	130,950.4	96,667.9	164,875.6	(34,282.6)	-26.2%	(68,207.8)	-70.6%	146,933.5
5.08.12/.13	SST Closure	17,354.5	7,492.8	10,935.0	(9,861.7)	-56.8%	(3,442.2)	-45.9%	17,765.9
	TOTAL RETRIEVE AND CLOSE	451,835.0	383,608.7	497,844.9	(68,226.3)	-15.1%	(114,236.2)	-29.8%	537,834.7
5.09	TREAT AND DISPOSE WASTE - Excl. foll. WBS Elements	29,616.1	26,737.8	20,992.5	(2,878.3)	-9.7%	5,745.4	21.5%	37,750.2
5.09.02.02	TRU / LLW Packaging	28,343.4	11,695.5	19,883.5	(16,647.9)	-58.7%	(8,188.0)	-70.0%	28,343.4
5.09.02.03/.08	LAW Treatment	5,882.2	5,726.9	6,136.1	(155.3)	-2.6%	(409.2)	-7.1%	5,409.9
5.09.02.05/.11	Bulk Vitrification System (BVS) Project	58,842.4	57,043.2	95,210.7	(1,799.2)	-3.1%	(38,167.5)	-66.9%	58,842.4
5.09.03.01	Integrated Disposal Facility	33,911.0	29,670.8	20,707.9	(4,240.2)	-12.5%	8,962.9	30.2%	33,993.8
5.09.03.04	Initial IHLW Storage Facility (W-464)	4,789.3	4,553.4	2,673.2	(235.9)	-4.9%	1,880.2	41.3%	4,789.3
	TOTAL TREAT AND DISPOSE WASTE	161,384.3	135,427.6	165,603.8	(25,956.8)	-16.1%	(30,176.2)	-22.3%	169,129.0
5.10	ANALYTICAL/TECHNICAL SERVICES	82,716.1	80,340.8	80,891.0	(2,375.3)	-2.9%	(550.3)	-0.7%	110,663.8
RPP TOTAL		1,298,806.2	1,193,283.9	1,325,657.4	(105,522.3)	-8.1%	(132,373.6)	-11.1%	1,613,168.3

* BAC on this chart and in succeeding Cumulative Performance tables is for the period through FY 2008.

EXECUTIVE SUMMARY

ON

TANK FARM EARNED VALUE REPORTING

This Executive Summary reports the cost and schedule performance for the Tank Farm Contractor (TFC), CH2M HILL Hanford Group, Inc. for the month of June 2007.

The company's contract-to-date (CTD) positive cost variance increased marginally in the current month (CM) by \$651.2K to \$36.2M. During the month, efficiencies in Tank 241-C-109 Retrieval were partially offset by unfavorable variances in Tank 241-C-108 Retrieval and Advanced Technologies and Laboratories International, Inc. (ATL) Readiness to Serve.

The CTD variance represents the period of FY 2006 through FY 2008. The primary contributors to the CTD positive cost variance continue to be: Chief Financial Officer (CFO) - Business Services due to pass backs for over liquidation of continuity of service; CFO-Site Services due to reduced costs plus a lower allocation percentage for shared services; S-100 Tanks due to significant performance being reported against planned retrieval systems, at a less-than-estimated cost; C-100 Tanks due to efficiencies on Tank 241-C-108 as a result of prior retrieval experience; and Waste Feed Operations (WFO) Base Operations due to efficiencies realized in performing DST to DST transfers and SY-PPP Line Replacement. These positive cost variances are partially offset by negative variances: ATL Readiness to Serve costs in excess of actual laboratory analysis requirements; DBVS' additional labor and subcontract support required for the extended AMEC Earth and Environmental, Inc. (AMEC) design effort completed in FY 2006; Safety Program due to the Environmental Health Program and its incremental costs for vapor sample analysis in FY 2006; Double-Shell Tank (DST) Space Management Project due to delays and rework required to modify and fit-up the AP slurry line jumpers; and Project W-211 due to closeout costs on the discontinued AN-101 mixer pump design.

The company's CTD positive schedule variance increased in the CM by \$2.6M to \$34.4M. The increase is primarily due to acceleration of Tanks 241-S-102 and 241-C-104 retrievals, and positive performance on Tank 241-C-109; partially offset by 241-C-108 Retrieval, where retrieval operations were temporarily halted, and DST Integrity Project.

The CTD positive schedule variance is primarily due to Tanks 241-S-102, 241-C-108, and 241-C-109; completion of DBVS work in FY 2007 supporting the Expert Review Panel issue resolution

planned for performance in FY 2009; WFO Base operations due to accelerated tank to tank transfers and SY-PPP Line Replacement; and Project W-314 due to Phase 2 SY and AW Upgrades accelerated scope.

EARNED VALUE PERFORMANCE (\$000)

5.07 - BASE OPERATIONS (EXCLUDES 5.07.02)

Scope Description: The baseline scope for this Work Breakdown Structure (WBS) includes monitoring and maintaining the DST and equipment in compliance with Technical Safety Requirements, and Environmental, Safety, Health and Quality programmatic requirements. This also includes necessary support activities such as project management, engineering, business services, and support to training and procedures. Base Operations also provides site, shared, and miscellaneous services including Service Assessment Pool and Advanced Medical Services. In addition, contract fee for completing Performance Based Incentive (PBI) is included. Note: Fee for FY 2007 is not included.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	12,642.7	12,675.7	11,956.5	33.1 0.3%	719.2 5.7%	
CTD	252,866.6	253,902.6	235,832.7	1,036.0 0.4%	18,069.9 7.1%	428,739.4
PTD	513,195.2	510,834.2	507,454.6	(2,361.4) -0.5%	3,379.5 0.7%	688,303.2

SCHEDULE VARIANCE

Description and Cause: The CM favorable variance is within the threshold of ± 10 percent or \$1M. The CTD favorable variance is due to the accelerated performance to upgrade the Evaporator Flow Indicators and the 242-A Monitoring Control System Upgrades. The program-to-date (PTD) unfavorable variance is primarily due to the contract fee associated with PBI milestones not being earned in FY 2006 as planned.

Impact: None. A revised Tank Farm Contract was issued in September 2006 with new PBI milestones. Previous PBI milestones have been closed, completed, or covered in a Request for Equitable Adjustment.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM favorable variance is within the threshold of ± 10 percent or \$1M. The CTD and PTD favorable variances are due to receipt of FY 2006 year-end cost pass backs for continuity of service and to moving spare parts inventory from this cost account to Operations accounts. Additionally, costs are lower than planned for Site-Wide Shared Services, Advanced Medical Services, Business and Occupation taxes, expenses related to site layoffs, work for others, and Project support costs. The favorable variance is partially offset by higher than planned costs for the Environmental Health Program sampling activity, the Readiness to Serve adder from ATL, WFO surveillance, and the Tank 241-AN-107 Chemistry Optimization activity.

Impact: None.

Corrective Action: None required.

5.07.02 - ENVIRONMENTAL/TRI-PARTY AGREEMENT MILESTONE ACHIEVEMENT

Scope Description: The baseline provides for the safe and compliant storage of the Hanford Site tank wastes until waste is retrieved for processing (currently 53 million gallons of waste in 177 SST and DSTs and approximately 60 miscellaneous underground storage tanks [MUST]). This includes monitoring and maintaining activities associated with the Hanford Federal Facility Agreement and Consent Order (HFFACO), commonly referred to as the Tri-Party Agreement. Scope includes compliance efforts to meet Tri-Party Agreement Milestones M-23, M-46, and M-48, including characterization, DST Space Management and DST Integrity. Scope includes transfer operations and the operations and maintenance of the 242-A Evaporator to reduce the volume of waste stored in DSTs.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	1,718.3	1,677.9	1,748.4	(40.3) -2.3%	(70.5) -4.2%	
CTD	31,718.2	33,840.8	33,353.1	2,122.6 6.7%	487.7 1.4%	49,280.8
PTD	89,675.2	83,072.7	73,863.1	(6,602.4) -7.4%	9,209.6 11.1%	107,237.7

SCHEDULE VARIANCE

Description and Cause: The CM unfavorable variance is within the threshold of ± 10 percent or \$1M. The CTD favorable variance is due to early performance of DST to DST Transfers and Cross-Site Transfers to support SST retrievals, Evaporator Upgrades, and work scope for the SY-PPP Line Replacement. The PTD unfavorable variance is due to deferral of certain DST Infrastructure and Tank Farm Upgrades activities; delays in DST UT activities caused by vapor mitigation activities and the need to rescan two DSTs; and vendor-experienced software problems.

Impact: None.

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. However, the historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

COST VARIANCE

Description and Cause: The CM unfavorable variance is within the threshold of ± 10 percent or \$1M. The CTD variance is due to efficiencies in completing waste transfers, DST Facility Upgrades, and the 242-A Evaporator 7-01 Campaign; partially offset by unfavorable variances due to the use of supplied air (FY 2006), SY PPP Line Replacement design changes, equipment failures in DST Integrity project, Catch Tank Pumping, and the DST Space Management Project. The PTD favorable cost variance is due to lower than

planned level-of-effort support to DST waste transfers as a result of delays in SST retrievals, and underruns in certain level-of-effort DST Space Management Project activities.

Impact: None.

Corrective Action: None required.

5.08 - RETRIEVE AND CLOSE (EXCLUDES 5.08.02/.03; 5.08.04.01/.02; 5.08.05/.06/.07/.12/.13)

Scope Description: The remaining scope in the baseline for WBS 5.08 is Interim Stabilization, and installation and startup of the AP-101 Waste Transfer Pumping System. Work in this WBS removes pumpable liquids from SSTs to minimize the risk of leakage (referred to as "Interim Stabilization") and meet Consent Decree commitments. The scope also includes consolidation of some of the activities associated with interim isolation of tanks with retrieval and closure of SSTs. In the future, specific life cycle scope in this WBS also includes DST Retrieval and Closure and Closure of Long Term Facilities and Post Closure Monitoring. These activities are all outside of the contract period reporting window.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	21.8	35.2	21.8 21.8%	(13.4) -61.4%	
CTD	0.0	268.4	208.0	268.4 268.4%	60.4 22.5%	0.0
PTD	6,785.7	7,208.0	4,305.5	422.3 6.2%	2,902.5 40.3%	6,785.7

SCHEDULE VARIANCE

Description and Cause: The CM and CTD favorable variances are due to acceleration of FY 2017 work scope to FY 2007 at the direction of the ORP. The PTD variance is within the threshold of ± 10 percent or \$1M.

Impact: No impact.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM reflects a negligible unfavorable variance. The CTD favorable cost variance is due to costs related to closure of old cross site transfer lines being less than planned. The favorable PTD variance is due to Interim Stabilization activities, which were completed under the estimated cost, but is partially offset by the AP-101 Transfer Pump Replacement, where costs were in excess of baseline estimates due to vapor mitigation activities and the use of significant amount of overtime.

Impact: No impact.

Corrective Action: None required.

5.08.02 - WASTE TREATMENT PLANT (WTP) FEED DELIVERY PROGRAM

Scope Description: The Waste Feed Delivery (WFD) program provides the minimum required technical analysis, waste characterization, and project definition activities necessary to provide waste to the WTP. The WFD program work activities include a variety of cross-cutting programmatic activities supporting WFD to the waste treatment facilities, including characterization, WFD engineering and modeling support including management and maintenance of the retrieval and transfer technical baseline, WFD program/project management support, and DST retrieval/transfer management. This work element will provide feed delivery evaluations using the Hanford Tank Waste Operations Simulator model.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	691.7	691.7	607.2	(0.1) 0.0%	84.5 12.2%	
CTD	12,652.0	12,652.0	11,451.5	0.0 0.0%	1,200.5 9.5%	22,019.8
PTD	34,097.0	33,931.6	42,203.1	(165.5) -0.5%	(8,271.5) -24.4%	43,464.8

ACCOMPLISHMENTS

Nothing to report.

ISSUES/CHALLENGES

Nothing to report.

SCHEDULE VARIANCE

Description and Cause: The CM, CTD, and PTD variances are within the threshold of ± 10 percent or \$1M.

Impact: No impact.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM variance is due to efficiencies realized from improved systems and organizational realignment. The CTD favorable variance is due to labor efficiencies primarily in project staff to support the Project Delivery Management team. The PTD unfavorable cost variance is due to greater than planned costs for support of vapor mitigation activities.

Impact: None.

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE

approved the near-term revised baseline on May 14, 2007. However, the historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

5.08.03 - DST RETRIEVAL PROGRAM

Scope Description: The baseline for this WBS element includes activities required to plan, provide, and operate systems for retrieving waste from the DSTs, preparing it for feed to the WTP, and then transferring it to the WTP.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	0.0	0.0	0.0 0.0%	0.0 0.0%	
CTD	1,676.3	1,676.3	2,141.1	0.0 0.0%	(464.8) -27.7%	1,676.3
PTD	30,547.2	21,461.0	25,561.2	(9,086.2) -29.7%	(4,100.2) -19.1%	30,547.2

ACCOMPLISHMENTS

Nothing to report.

ISSUES/CHALLENGES

Nothing to report.

SCHEDULE VARIANCE

Description and Cause: The PTD unfavorable variance is a result of deferring the Tanks 241-AY-101, 241-AY-102, and 241-AZ-102 Retrieval Systems, and start-up of the Tank 241-AN-101 Retrieval System to future years.

Impact: There is no adverse impact to the overall project and near-term waste transfers.

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. The behind schedule PTD scope has been replanned in the revised baseline, and full implementation of this revised baseline will provide management with a more meaningful tool to assess performance.

COST VARIANCE

Description and Cause: The CTD unfavorable variance is due to the higher than planned negotiated costs for design of a mixer pump. The PTD unfavorable cost variance is primarily due to costs related to added scope, the as-built drawings effort, and vapor mitigation activities on the Tank 241-AN-101 Retrieval System.

Impact: The PTD unfavorable variance is unrecoverable.

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. However, the historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

5.08.04.01 - PROJECT W-314 (TANK FARM RESTORATION AND SAFE OPERATIONS)

Scope Description: The baseline for Project W-314 provides essential tank farm infrastructure upgrades to support waste feed delivery to the WTP and to correct environmental compliance deficiencies with the tank farm support systems. Work scope includes waste transfer line installation, valve pit upgrades, ventilation system upgrades, instrument/control system upgrades, electrical distribution system upgrades and installation of a Master Pump Shutdown system. The project scope includes Phase 1 and 2 upgrades in seven different tank farms (AN, AW, AY, AZ, AP, SY, and A), as well as transfer system upgrades between tank farms.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	262.9	329.6	262.9 262.9%	(66.7) -25.4%	
CTD	2,865.8	5,430.5	5,573.1	2,564.8 89.5%	(142.5) -2.6%	2,865.8
PTD	37,633.4	37,033.4	44,136.5	(600.0) -1.6%	(7,103.1) -19.2%	37,633.4

SCHEDULE VARIANCE

Description and Cause: The CM and CTD favorable variances are due to the acceleration of selected Project W-314 work scope from FY 2009. The PTD unfavorable variance is within the threshold of ± 10 percent or \$1M..

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM unfavorable variance is due to increased labor resources required to support the MPS Startup and costs for the new software license and system upgrades. The CTD unfavorable variance is within the threshold of ± 10 percent or \$1M. The PTD unfavorable variance is primarily caused by vapor mitigation activities and as-found field conditions, which resulted in additional effort in field construction, and extended project management and engineering support.

Impact: The PTD cost variance is not recoverable.

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. However, the historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

5.08.04.02 - PROJECT E-525 (UPGRADE TRANSFER SYSTEMS)

Scope Description: The baseline for Project E-525 provides activities required to define, design, procure, construct, test, turnover, and manage modifications to a portion of the DST Transfer System. The scope of Project E-525 is further defined within the following five design/construction packages: 1) AZ-151 Catch Tank Replacement, 2) Clean-Out Box (COB) Modifications, 3) SY-Farm Transfer Lines, 4) 204-AR Load-Out Facility Transfer Line, and 5) Plutonium Finishing Plant Transfer Lines. These modifications brought a portion of the DST transfer system into compliance with Washington Administrative Code 173-303-640, in support of Tri-Party Agreement Milestone M-43-00.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	0.0	0.0	0.0 0.0%	0.0 0.0%	
CTD	2,712.4	2,712.4	2,982.8	0.0 0.0%	(270.4) -10.0%	2,712.4
PTD	17,307.8	14,165.1	26,709.8	(3,142.7) -18.2%	(12,544.7) -88.6%	17,307.9

SCHEDULE VARIANCE

Description and Cause: The PTD unfavorable variance is primarily due to deferral of the remaining field construction for the AZ-151 Catch Tank Bypass, SY-Farm Transfer Line Upgrades, and the remaining AW-Farm COBs, because of operational priorities and funding reductions.

Impact: None.

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. However, the historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

COST VARIANCE

Description and Cause: The CTD unfavorable variance is due to performing COBs and SY-Farm Transfer Line Backfill work on supplied air (not budgeted), partially offset by underruns on the AZ-151 Catch Tank Bypass Construction and efficiencies in Project Support. The PTD unfavorable cost variance is primarily in Field Construction and is due to unplanned costs attributable to unexpected as-found field conditions, enhanced work package development/approval, and vapor mitigation activities.

Impact: The PTD cost overruns are not recoverable.

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. However, the

historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

5.08.05 - RETRIEVAL / CLOSURE PROGRAM

Scope Description: The baseline provides for Retrieval and Closure support activities in this WBS. Specifically, the scope includes program management, regulatory documentation, SST cross-site transfers, technology development, cold test facility management and maintenance, Vadose Zone support, inactive waste sites administration, Tank Farm Support Facilities/Transfer Systems. The scope also includes the Closure Project Technical Safety Requirement/Basic Maintenance on SSTs, Closure Project Operations Essential Services, Closure Project Field Projects/Upgrades, and the solid waste management programs.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	5,070.9	5,028.1	4,895.4	(42.7) -0.8%	132.7 2.6%	
CTD	86,930.3	85,832.5	79,091.4	(1,097.8) -1.3%	6,741.1 7.9%	147,567.7
PTD	177,159.0	165,649.0	179,118.1	(11,509.9) -6.5%	(13,469.1) -8.1%	237,396.4

SCHEDULE VARIANCE

Description and Cause: The CM unfavorable variance is within the threshold of ± 10 percent or \$1M. The CTD unfavorable variance is due to delay in procurement and construction related to safety significant equipment on the 244-CR Vault; there was a delay in completing the design for the T-Farm Surface Barrier; there was a delay in the engineering life extension study to support Hose in Hose Transfer Line (HIHTL) disposition; and Tank Farm Risk Assessments where there was a delay in receiving regulator's comments for the Single-Shell Tank System Performance Assessment. The PTD unfavorable schedule variance is primarily because of field work delays on Vadose Zone RCRA Corrective Actions activities (resource availability issues, vapor mitigation activities, and weather delays); delays on starting Tank Farm Risk Assessments modeling and waste constituent studies; and delays in Liquid Level and Video Assessment, and HIHTL disposal activities due to vapor mitigation activities, radiological conditions, and weather delays.

Impact: It is now expected that the baseline date of September 30, 2007, for completion of the T-Farm Surface Barrier will be missed. The revised date is December 31, 2007.

Corrective Action: The T-Farm Interim Barrier design is complete and bid proposals for construction were received and are being reviewed to determine the correct course for implementation. Fiscal year 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. However, the historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

COST VARIANCE

Description and Cause: The CM favorable variance is within the threshold of ± 10 percent or \$1M. The CTD favorable cost variance is because of 1) labor underruns as Closure Operations continues to provide support to other Projects; 2) efficiencies in performing the DST Component Isolation accelerated work scope; and 3) costs are less than expected for Vadose Zone Corrective Actions field work and 244-CR Vault activities. The PTD unfavorable cost variance is due to unplanned Closure Project surveillance and monitoring costs for vapor mitigation activities and the use of increased overtime.

Impact: The PTD variances are not recoverable.

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. However, the historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

5.08.06/.07 - SST RETRIEVAL EAST / WEST AREA

Scope Description: The baseline for this element includes activities required for the retrieval of all 149 SSTs. The scope includes project management, design and engineering, retrieval procurement, retrieval system installation, and retrieval startup and readiness. Scope in this WBS also includes the operations of the SST retrieval systems.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	1,486.2	3,719.6	3,138.2	2,233.3 150.3%	581.3 15.6%	
CTD	37,326.4	57,850.7	48,760.6	20,524.2 55.0%	9,090.0 15.7%	53,309.2
PTD	130,950.4	96,667.9	164,875.6	(34,282.6) -26.2%	(68,207.8) -70.6%	146,933.5

SCHEDULE VARIANCE

Description and Cause: The CM and CTD favorable variances are due to acceleration of Tank 241-S-102 retrieval completion activities; and early start of Tank 241-C-109 retrieval and 241-C-104 preparation. The CTD variance is also benefiting from acceleration and positive performance on retrieval of Tank 241-C-108; however, the CM variance for Tank 241-C-108 was unfavorable as retrieval operations were temporarily suspended pending acquisition and deployment of the mobile retrieval tool. The PTD unfavorable schedule variance is due to delays in C-Farm Modified Sluicing and Mobile Retrieval Systems design; C-Farm retrievals due to vapor mitigation activities and as-found conditions such as the potential for gelling and high radiation; development of multiple retrieval systems and the need for multiple evolutions due to tank waste characteristics; and deferral of B, T, and U-Farm retrievals.

Impact: The PTD issues identified have caused an extension in the schedules for retrieval procurement, construction, and operations.

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. However, the historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

COST VARIANCE

Description and Cause: The favorable CM variance is due to efficiencies on Tank 241-C-109, partially offset by Tanks 241-S-102, and 241-C-104. The CTD variance is due to Tank 241-C-108 system installation, and startup and readiness scope requiring fewer resources than planned; efficiencies on Tanks 241-S-102 and 241-S-112; and Tank 241-C-109 design costs are lower than planned due to the ability to use data from Tank 241-C-108. The CTD favorable variance is partially offset by the unfavorable variance

on Tank 241-C-103 due to unplanned costs to address retrieval issues. The PTD unfavorable cost variance for SST retrievals is due to a realization of risks in the field for which no contingency was planned, including higher than planned material and fabrication costs, longer than planned retrieval durations, increased special equipment and engineering costs, rework due to improvements to the work planning process, weather delays resulting in work stoppages, costs due to vapor mitigation activities, costs for a second pumping system for Tank 241-S-102, and costs for the partial retrieval of Tank 241-S-109 test waste in support of the DBVS.

Impact: There is no impact from the CM and CTD variances. Unplanned PTD costs are impacting ability to complete all approved baseline scope.

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. However, the historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

5.08.12/.13 - SST CLOSURE

Scope Description: The baseline provides the scope for tank farm closure which includes those activities required for interim closure of each tank in the farm, followed by closure of the entire farm once all tanks within the farm are interim closed. Scope for interim closure of each tank includes characterization, engineering evaluation and reporting, deactivation and isolation of transfer lines, pits and penetrations to the tank, and placement of a grout layer in the bottom of the tank to stabilize the residual waste.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	30.4	30.4	45.4	0.0 0.0%	(15.0) -49.5%	
CTD	690.4	689.6	657.4	(0.8) -0.1%	32.2 4.7%	1,101.8
PTD	17,354.5	7,492.8	10,935.0	(9,861.7) -56.8%	(3,442.2) -45.9%	17,765.9

SCHEDULE VARIANCE

Description and Cause: The CTD unfavorable variance is within the threshold of ± 10 percent or \$1M. The PTD unfavorable variance is primarily due to the delays in the approval of the Tank Closure and Waste Management (TC&WM) Environmental Impact Statement (EIS) Record of Decision (ROD).

Impact: Closure of SSTs is dependent on the issuance of the TC&WM EIS ROD.

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. However, the historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

COST VARIANCE

Description and Cause: The CM reflects a negligible unfavorable variance. The CTD favorable variance is within the threshold of ± 10 percent or \$1M. The PTD unfavorable cost variance is due to higher than planned costs for sampling and analytical work, and closure design and work package planning.

Impact: None.

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. However, the historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

5.09 - TREAT & DISPOSE WASTE (EXCLUDES WBS 5.09.02.02/.03/.05/.08/.11; 5.09.03.01/.04)

Scope Description: The baseline provides for the remaining scope for WBS 5.09, which includes the Infrastructure Services that provide for electrical power to the WTP, Strategic planning including the support to Optimization Studies, Project W-QQQ support, and support to the Tri-Party Agreement Milestone M-62-08 deliverables. Also included are the Failed Melter Disposal System and future expansions to Integrated Disposal Facility (IDF). Both are outside of the contract-to-date reporting. Startup and Turnover, performance of Operations Readiness Reviews, and turnover of the constructed IDF to Operations are included in this WBS.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	460.6	456.2	214.9	(4.4) -0.9%	241.4 52.9%	
CTD	7,429.9	7,394.0	6,276.0	(35.9) -0.5%	1,118.0 15.1%	13,904.0
PTD	29,616.1	26,737.8	20,992.5	(2,878.3) -9.7%	5,745.4 21.5%	37,750.2

SCHEDULE VARIANCE

Description and Cause: The CM and CTD unfavorable variances are within the threshold of ± 10 percent or \$1M. The PTD unfavorable schedule variance is because of delay in Project W-QQQ (Hanford Shipping Facility) in order to fund higher priority work.

Impact: No impact.

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. However, the historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

COST VARIANCE

Description and Cause: The CM favorable variance is due to the slowdown of construction at the vitrification plant which resulted in less use of electricity than planned. The CTD and PTD favorable variances are due to efficiencies in WTP interface, Immobilized Low-activity waste (ILAW) Performance Assessment, and Strategic Planning activities.

Impact: No impact.

Corrective Action: None required.

5.09.02.02 - TRU / LLW PACKAGING

Scope Description: The baseline provides for the design, construction, testing, operation, and decommissioning of a system to treat contact handled transuranic/mixed (CH-TRUM) waste for eventual shipment/disposal at the Waste Isolation Pilot Plant. 1) CH-TRUM Waste Packaging: Nine tanks are currently thought to contain CH-TRUM waste: four T-200 series SSTs, four B-200 series SSTs, and Tank 241-T-111. 2) Remote Handled transuranic/mixed (RH-TRUM) Waste Packaging: Three tanks are currently thought to contain RH-TRUM waste: 241-AW-103, 241-AW-105 and 241-SY-102. 3) Low-Level Waste (LLW) Packaging: activities required to operate a system to package LLW such that the packages can be sent to a licensed facility for disposal. One tank, 241-T-110, is currently thought to contain LLW. The volume of LLW in this tank is approximately 400,000 gallons.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	0.0	0.0	0.0 0.0%	0.0 0.0%	
CTD	0.0	0.0	65.6	0.0 0.0%	(65.6) -65.6%	0.0
PTD	28,343.4	11,695.5	19,883.5	(16,647.9) -58.7%	(8,188.0) -70.0%	28,343.4

SCHEDULE VARIANCE

Description and Cause: The PTD unfavorable schedule variance result primarily from permitting related delays in converting a Research, Development, and Demonstration permit into an extensive Part B permit; National Environmental Policy Act of 1969 (NEPA) permitting and Part B certification issuance delays; and delays due to the ORP's decision to issue the PDSA as new scope, in addition to the planned Documented Safety Analysis amendment. Consequently, the ORP directed a ramp-down of the Transuranic Waste (TRU) project to place the project in indeterminate standby until resolution of NEPA and other permitting issues.

Impact: None

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. However, the historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

COST VARIANCE

Description and Cause: The negligible CTD unfavorable variance is due to residual costs received in early FY 2006. The PTD unfavorable cost variance results from unplanned costs for rework associated with NEPA document revision per the ORP, new scope to issue the PDSA, and the packaging vendor's inadequate design estimation.

Impact: None.

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. However, the historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

5.09.02.03/.08 - LAW TREATMENT

Scope Description: The baseline provides for (1) Bulk Vitrification / Containerized Grout including: issue Request for Proposal for Containerized Grout predown-select effort; issue Request for Proposal for Bulk Vitrification predown-select effort; award contract to vendor for testing and engineering pre-conceptual design development; contract costs for vendor testing and design; support contract testing and design; and issue predown-select data package; (2) Steam Reforming: prepare conceptual design for Hanford-deployable Steam Reforming unit [Phase 0]; award contract to vendor for testing and engineering pre-conceptual design development; contract costs for vendor testing and design; support contract testing and design; and issue predown-select data package; (3) Pre-Treatment/Sulfate Removal: evaluate dissolution progress during Tanks 241-S-102 and 241-U-107 retrieval operations; and evaluate high integrity containers for cesium removal; Post Down Select: perform long-lead permitting activities: issue procurement package and award contract for low activity waste (LAW) system construction; contract costs for vendor design, fabrication, and testing; support contractor design, fabrication, and testing; issue design; implement field modifications for tank farm LAW system deployment; and operate LAW system; (4) This scope of work also is to collect data and perform testing to evaluate Supplemental Treatment Pretreatment technologies, including fractional crystallization studies (EM-20 funding).

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	67.5	67.5	157.4	0.0 0.0	(89.9) -133.2%	
CTD	1,232.9	1,232.9	1,344.9	0.0 0.0%	(112.0) -9.1%	2,150.2
PTD	5,882.2	5,726.9	6,136.1	(155.3) -2.6%	(409.2) -7.1%	5,409.9

SCHEDULE VARIANCE

Description and Cause: The PTD variance is within the threshold of ± 10 percent or \$1M.

Impact: None.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CM unfavorable variance is due to costs, including equipment purchases by the subcontractor, being incurred on level-loaded activities differently than planned. The CTD and PTD variances are within the threshold of ± 10 percent or \$1M.

Impact: None, the CM variances will self-correct.

Corrective Action: None required.

5.09.02.05/.11 - DEMONSTRATION BULK VITRIFICATION SYSTEM (DBVS) PROJECT

Scope Description: The baseline provides work scope to issue procurement package and award contract; contract costs; support contract costs; and direct labor costs for project management and control, permitting, safety document preparation, readiness review activities, and engineering for the following: vendor design, fabrication, construction, installation, testing and operation of a Supplemental Treatment Test and Demonstration Facility; vendor design and fabrication of a salt waste retrieval system; and vendor design and construction required for Supplemental Treatment Test and Demonstration Facility site preparation, including infrastructure. The following is also provided: direct labor costs for installation, startup and operation of a salt waste retrieval system; material and utility costs in support of Supplemental Technology Demonstrations; and decontamination and decommissioning costs associated with Supplemental Technology Demonstrations.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	299.3	624.7	299.3 299.3%	(325.4) -108.7%	
CTD	26,639.2	36,340.7	37,987.4	9,701.5 36.4%	(1,646.6) -4.5%	26,639.2
PTD	58,842.4	57,043.2	95,210.7	(1,799.2) -3.1%	(38,167.5) -66.9%	58,842.4

SCHEDULE VARIANCE

Description and Cause: The CM and CTD favorable variances are due to the DBVS Project accomplishing accelerated work this fiscal year that is planned for performance in FY 2009. This early performance of work supports resolution of the Expert Review Panel issues. The PTD unfavorable schedule variance is due to delays caused by technical issues associated with the failed melt container, additional environmental standard for the off-gas system, and delay in placement of procurements to determine if the specifications could be modified to reduce costs.

Impact: The PTD variance is not recoverable.

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. However, the historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

COST VARIANCE

Description and Cause: The CM unfavorable variance reflects variations in month-to-month accruals and rules of performance reporting. The CTD unfavorable variance is due to additional engineering manpower

and subcontractor effort required to issue, review, revise, and complete the DBVS design two months later than planned. The PTD unfavorable cost variance is a realization of risks for which no contingency was planned, including higher than anticipated negotiated contract costs with AMEC for design, fabrication, and installation; and new project scope (Engineering Scale-13).

Impact: The CTD variance is not recoverable.

Corrective Action: None required.

5.09.03.01 - INTEGRATED DISPOSAL FACILITY

Scope Description: The baseline provides for planning, designing, and constructing the onsite expandable IDF for disposing of compliant ILAW stream packages produced at the WTP and through supplemental treatment, and the RL generated mixed low-level waste (MLLW) and LLW. The IDF will consist of the initial capacity near-surface, remote-handled waste trench facility to support WTP Operations ILAW Production and the RL MLLW and LLW disposal quantities. Infrastructure necessary to provide operations and maintenance support (e.g., utilities, roads, and fencing) will be provided by this WBS.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	0.0	(22.8)	0.0 0.0%	22.8 22.8%	
CTD	7,132.9	7,132.9	5,366.6	0.0 0.0%	1,766.3 24.8%	7,132.9
PTD	33,911.0	29,670.8	20,707.9	(4,240.2) -12.5%	8,962.9 30.2%	33,993.8

SCHEDULE VARIANCE

Description and Cause: The PTD unfavorable schedule variance is a function of implementation of the Interim Baseline in FY 2006. The IDF was completed on schedule in April 2006, and is currently in a "Care and Custody" condition. The variance will be eliminated with approval and implementation of the revised baseline.

Impact: None.

Corrective Action: FY 2006 was managed under an interim approved baseline. CH2M HILL has submitted a full rebaseline for FY 2007 – FY 2042 to the DOE, and is managing to this revised baseline. The DOE approved the near-term revised baseline on May 14, 2007. However, the historical variances have not been adjusted in the planning systems pending corresponding action by the DOE-HQ.

COST VARIANCE

Description and Cause: The CM reflects a negligible favorable variance. The CTD favorable variance is due to effective management of construction changes, utilization of internal engineering resources rather than subcontracted support, and less project management resource usage than planned. The project realized a favorable variance at construction completion, but a portion of this variance will be required to fund Care and Custody of the facility. The PTD favorable variance is due to the favorable fixed-price contract for the IDF.

Impact: No impact.

Corrective Action: None required.

5.09.03.04 - PROJECT W-464 (INITIAL IHLW STORAGE FACILITY)

Scope Description: The baseline provides for Project W-464, Interim Storage Facility which is a Canister Storage Building Retrofit Subproject that addresses initial operations storage. This element provides onsite interim storage for Initial Operations IHLW canisters until they can be shipped to an offsite geological repository. The planning for receipt and interim storage of the IHLW canisters shall comply with the Waste Acceptance System Requirements Document and the Office of Civilian Radioactive Waste Management Waste Acceptance Preliminary Specifications. This WBS covers equipment for transportation of IHLW canisters from the WTP to the interim storage facilities. The work scope activities included under this WBS element are as follows: Provide Project Management (Capital) and project engineering required for execution of design, procurement and construction of the Interim Storage Facility.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	0.0	0.0	0.0	0.0 0.0%	0.0 0.0%	
CTD	109.4	109.4	35.1	0.0 0.0%	74.3 67.9%	109.4
PTD	4,789.3	4,553.4	2,673.2	(235.9) -4.9%	1,880.2 41.3%	4,789.3

SCHEDULE VARIANCE

Description and Cause: The PTD variance is within the threshold of ± 10 percent or \$1M.

Impact: No impact.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The CTD favorable variance is due to effective project management and utilizing less project management support resources than planned. The PTD favorable variance is due to efficiencies realized on the detailed design activity, resulting from favorable contract performance.

Impact: No impact.

Corrective Action: None required.

5.10 - ANALYTICAL TECHNICAL SERVICES

Scope Description: The baseline scope includes ATS management and Hanford Services support in order to meet the capability/capacity requirements on the 222-S Laboratory complex for the Hanford mission. Also included are: 222-S Laboratory spares; 222-S Laboratory spare reserves; capital equipment not related to construction; technology development activities; perform facility assessment and characterization activities; develop NEPA and other regulatory documentation, deactivation plans, post-deactivation surveillance and maintenance plans; develop deactivation endpoints and turnover package; flush, isolate, and blank process or sub-process systems; and remove radioactive and hazardous materials and mixed wastes.

	BCWS	BCWP	ACWP	SV	CV	BAC
CM	2,143.1	1,958.0	2,507.5	(185.1) -8.6%	(549.6) -28.1%	
CTD	38,875.8	38,226.0	37,952.9	(649.7) -1.7%	273.1 0.7%	66,823.4
PTD	82,716.1	80,340.8	80,891.0	(2,375.3) -2.9%	(550.3) -0.7%	110,663.8

SCHEDULE VARIANCE

Description and Cause: The CM and CTD unfavorable variances are within the threshold of ± 10 percent or \$1M. The PTD unfavorable variance is due to delay of several Facility Upgrade activities, and the procurement of three Gas Chromatography/Mass Spectrometry (GC/MS) did not begin as planned in January because of FY 2007 funding constraints.

Impact: Continued degradation of facilities/equipment will occur until upgrades are completed.

Corrective Action: A BCR will be prepared to delete/defer the Facility Upgrades activities and delete the procurement of the three GC/MSs.

COST VARIANCE

Description and Cause: The CM unfavorable variance is attributed to a company decision to bill all of ATL's monthly Readiness to Serve costs to a separate account so that programs/projects are not affected by these costs. The programs/projects will only receive liquidation costs associated with the analyses that is requested by the customer and performed by ATL. The CTD variance is comprised of (1) less than planned dedicated and matrixed staff in support of Maintenance, Production Control and Technology Development, and (2) planning labor rates being greater than actual costs; revised waste volume projections that are less than originally planned; Analytical Methods Development activities required less support than planned in FY 2006 and as a result resources were re-directed to support the Industrial Hygiene Program and vapor analysis activities; and completion of the 222-S Maintenance Annex HVAC and roof repair at a cost which was significantly less than originally planned. The favorable variances are partially offset by unplanned ATL

Readiness to Serve costs. The PTD unfavorable variance is within the threshold of ± 10 percent or \$1M; however, PTD unplanned costs have been incurred relative to the transition of the 222-S Laboratory analysis activities to ATL. Specific costs include ATL transition costs, Information Resource Management Desktop support, and Waste Management of laboratory samples. These costs have been offset by favorable variances elsewhere in the ATS program.

Impact: ATL Readiness to Serve costs are currently projected to total over \$4M in FY 2007.

Corrective Action: ATL Readiness to Serve costs will require additional funds, deferral of work, or use of project savings currently planned to accelerate fee bearing scope.

Milestone M-45,-50,-60 Single-Shell Tank Corrective Action

I. Near-Term Deliverables:

- **M-45-55-T04, Submit to Ecology for review and comment a draft of the A-AX, C, and U Field Investigation Report.**

Due: 04/30/06

Status: Missed. Discussions between Ecology and ORP are ongoing regarding scope and schedule for this report. A TPA change request, letter 07-TPD-033, was provided to Ecology on July 24, 2007. Ecology, DOE and CH2M HILL are discussing the change package.

- **M-45-55, Submit to Ecology for review and approval as an Agreement primary document a Phase 1 RFI report integrating results of data gathering activities and evaluations for WMAs S-SX, T, TX-TY, A-AX, B-BX-BY, C, and U; and related activities, including groundwater monitoring and impacts assessment using Hanford Site groundwater models, with conclusions and recommendations.**

Due: 01/31/07

Status: Missed-Change Request Pending. Document is on schedule for January 2008 submittal. Of 33 chapters (focused on the general reader) drafts have been generated for all chapters. Of the 14 appendices (focused on general audiences), 13 drafts have been generated, including the draft WMA C & A/AX Field Investigation Report (FIR). Draft chapters and appendices have been sent to Ecology and EPA for informal review. Samples from the last field work (WMA U) should be sent to the laboratory by August 10, allowing the completion of the WMA FIR. Three detailed documents (focused for the subject matter expert) have been released with an additional four undergoing external Hanford review.

A TPA change request, letter 07-TPD-033, was provided to Ecology on July 24, 2007. Ecology, DOE and CH2M HILL are discussing the change package.

- **M-45-56, Complete Implementation of Agreed to Interim Measures.**

Due: 07/31/07

Status: Complete per July 24, 2007 meeting with Ecology.

- **M-45-58, Submit to Ecology for review and approval as an Agreement primary document a RCRA Corrective Actions Corrective Measures Study for WMAs S-SX, T-TX-TY, B-BX-BY, A-AX, C, and U.**

Due: 06/30/07

Status: Missed. A TPA change request, letter 07-TPD-033 was provided to Ecology on July 24, 2007. Ecology, DOE and CH2M HILL are discussing the change package.

- **M-45-60, Submit to Ecology for review and approval as an Agreement primary document DOE's RCRA Corrective Actions Work Plan for SST WMAs.**

Due: 09/30/07

Status: To Be Missed. A TPA change request, letter 07-TPD-033, was provided to Ecology on July 24, 2007. Ecology, DOE and CH2M HILL are discussing the change package.

II. Significant Accomplishments:

- Surface Geophysical Exploration of B, BX, and BY tank farms as well as surrounding liquid disposal sites was initiated on 10/23/06. Data collection was completed on 4/13/2007. Analysis of the data continues. This represents the first fully integrated deployment of the technology between the Tank Farm waste management area and the adjacent central plateau waste sites.
- Samples were collected from the proposed T-Farm interim barrier infiltration area; analyses of these samples show the area to be clear of potential contaminants.
- Placement of moisture monitoring arrays for the T-Farm interim barrier has been completed.
- The T-Farm interim barrier design was completed and sent out for construction bid. Bids have been received and evaluated. Contract award for construction is expected to occur by August 3.
- The Responsiveness Summary, prepared by Ecology, in response to public comments on the interim barrier was issued July 6th.

III. Significant Planned Actions in the Next Six Months:

- Complete construction of the interim surface barriers at T-106.
- Complete analysis of SGE work for B/BX/BY WMA.
- Start SGE data collection at next WMA.
- Issue RCRA Facility Investigation Report (with the Field Investigation Reports for A,AX, C, and U WMAs as Appendices)
- Comment disposition workshops will continue on the initial SST-PA
- Complete direct push work in the 241-U Farm.
- Start direct push work at C WMA (ecology has approved effort via July 31, 2007 letter)

IV. Issues

A TPA change request, letter 07-TPD-033, was provided to Ecology on July 24, 2007. Ecology, DOE and CH2M HILL are discussing the change package.

Milestone M-45-00, Complete Closure of All Single-Shell Tank Farms

SST Retrieval and Closure Program

I. Deliverables

- **M-45-00, Complete Closure of all Single-Shell Tank Farms**

Due: 9/30/24

Status: To Be Missed

- **M-45-00B, Complete Specified "Near-Term" SST Waste Retrieval and Interim Closure Activities, to Result in the Retrieval of all Tank Wastes in WMA-C SSTs Pursuant to the Agreement Criteria in Milestone M-45-00**

Due: 9/30/06 (Or as otherwise indicated within the descriptive text of this milestone.)

Status: Missed.

- Completion of four limits of technology retrieval demonstrations:
 - Saltcake dissolution (S-112): Completed (M-45-03C)
 - Modified sluicing (C-106): Completed
 - Vacuum retrieval (C-200s): Completed; C-203 field retrieval operations completed on 3/24/05; C-202 retrieval completed on 8/11/05; C-201 retrieval completed on 3/23/06; C-204 retrieval completed on 12/11/06.
 - Mobile retrieval (C-101, C-105, or C-111): C-101 start of retrieval is currently projected for fiscal year 2011 (October 2010).
- Implementation of full-scale LDMM technologies for the first three 100-series tank retrievals following Tank S-112:
 - Tank S-102: High Resolution Resistivity (HRR) system installed; supporting retrieval operations. System was electrically shut down with all power to the S-102 area in response to a waste spill on July 27, 2007. Power will be restored to S-102 as soon as safely possible.
 - Tank C-103: HRR system demonstration complete.
 - Tank C-108: HRR system installed; supporting retrieval operations.
 - Completed HRR injection tests at S-102.
 - Submitted HRR evaluation report and recommendation for further deployment.
- Submittal of TWRWPs:
 - Tanks C-201, C-202, C-203, and C-204: Completed on 4/8/04
 - Two (2) 100-series tanks by 7/31/04: Completed on 7/29/04 (C-103 and C-109)

- Four (4) 100-series tanks by 10/31/04: Completed on 10/8/04 (C-102, C-104, C-107, C-108, and C-112).
- Five (5) 100-series tanks by 1/31/05: Completed on 1/24/05 (C-101, C-105, C-110, and C-111).
- Submittal of Waste Management Area (WMA) integration plans by 6/30/05:
 - WMA C: Completed; submitted from ORP to Ecology on 6/22/05
 - WMA T: Completed; submitted from ORP to Ecology on 6/22/05.
- **M-45-00C, Initiate Negotiation of SST Waste Retrieval and Closure Activities and Associated Schedules (for the Period February 2007 through August 2008)**
Due: 9/30/06
Status: Missed
- **M-45-00D, Initiate Negotiation of the SST Waste Retrieval and Closure Activities (for the Period September 2008 to September 2013)**
Due: 1/31/08
Status: To Be Missed
- **M-45-00E, Initiate Negotiation of SST Waste Retrieval and Closure Activities for the Remainder of the SST Program**
Due: 10/31/12
Status: To Be Missed
- **M-45-05, Retrieve Waste from all Remaining Single-Shell Tanks**
Due: 9/30/18
Status: To Be Missed
- **M-45-05-T05, Initiate Tank Retrieval from Five Additional Single-Shell Tanks**
Due: 9/30/07
Status: To Be Missed
- **M-45-05-T06, Initiate Tank Retrieval from Five Additional Single-Shell Tanks**
Due: 9/30/08
Status: To Be Missed
- **M-45-05-T07, Initiate Tank Retrieval from Seven Additional Single-Shell Tanks**
Due: 9/30/09
Status: To Be Missed
- **M-45-05-T08, Initiate Tank Retrieval from Eight Additional Single-Shell Tanks**

Due: 9/30/10
Status: To Be Missed

- **M-45-05-T09, Initiate Tank Retrieval from Ten Additional Single-Shell Tanks**

Due: 9/30/11
Status: To Be Missed

- **M-45-05-T10, Initiate Tank Retrieval from 12 Additional Single-Shell Tanks**

Due: 9/30/12
Status: To Be Missed

- **M-45-05-T11, Initiate Tank Retrieval from 14 Additional Single-Shell Tanks**

Due: 9/30/13
Status: To Be Missed

- **M-45-05-T12, Initiate Tank Retrieval from 17 Additional Single-Shell Tanks**

Due: 9/30/14
Status: To Be Missed

- **M-45-05-T13, Initiate Tank Retrieval from 20 Additional Single-Shell Tanks**

Due: 9/30/15
Status: To Be Missed

- **M-45-05-T14, Initiate Tank Retrieval from 20 Additional Single-Shell Tanks**

Due: 9/30/16
Status: To Be Missed

- **M-45-05-T15, Initiate Tank Retrieval from 20 Additional Single-Shell Tanks**

Due: 9/30/17
Status: To Be Missed

- **M-45-06, Complete Closure of all Single-Shell Tank Farms in Accordance with Approved Closure/Post Closure Plan(s)**

Due: 9/30/24
Status: To Be Missed

- **M-45-06-T03, Initiate Closure Actions on a WMA Basis**

Due: 3/31/12
Status: To Be Missed

- **M-45-06-T04, Complete Closure Actions on one WMA**
Due: 3/31/14
Status: To Be Missed

II. Significant Accomplishments

- Initiated retrieval of C-109 on June 19, 2007.
- Continued design work for the C-104 retrieval system.

III. Significant Planned Activities in the Next Six Months

- Reach resolution on missed M-45-00B and M45-00C milestones.
- Complete C-108 retrieval.
- Complete retrieval of C-109
- Complete comment resolution on the Mobile Retrieval System (MRS) TWRWP and obtain Ecology approval.
- Complete RDR for C-204 and transmit to Ecology.
- Complete interim lay-up of C-200 retrieval system.
- Submit Modified Sluicing TWRWP for Tank C-110 to Ecology. Obtain Ecology approval of TWRWP.

IV. Issues

- The MRS TWRWP, the last of the TWRWPs identified in Milestone M-45-00B, has not been approved by Ecology. ORP submitted a revised MRS TWRWP for tanks C-101/105/111 to Ecology on April 26, 2007. On May 7, 2007, Ecology notified ORP that Ecology was extending its review of this TWRWP to June 30, 2007.
- Milestones M-45-00B (retrieve all C-Farm tanks) and M-45-00C (initiate negotiations on next set of SST retrievals) were both due on September 30, 2006 and missed. DOE, Ecology, and EPA began TPA negotiations on May 29, 2007, to address these and other milestones.

C-FARM RETRIEVAL SUMMARY SCHEDULE FORECASTS ^a

Tank	Final Design Drawings complete	Construction Complete	Process Control Plan Complete	Start Retrieval	Complete Retrieval	TSAP Complete	Retrieval Data Report or Appendix H to Ecology/EPA
C-101	7/2/09	8/5/10	9/1/10	10/1/10	1/6/12	12/6/11	9/27/12
C-102	1/14/11	10/13/11	12/9/12	1/9/12	11/20/12	10/20/12	11/18/13
C-103	Complete	Complete	Complete	Complete	Complete	Complete	Complete
C-104	10/31/07	1/15/08	2/6/08	3/6/08	10/14/08	9/14/08	9/3/09
C-105	5/2/12	6/5/13	7/30/13	8/30/13	3/6/14	2/6/14	12/4/14
C-106	Complete	Complete	Complete	Complete	Complete	Complete	Complete
C-107	3/21/14	12/19/14	2/26/15	3/26/15	12/18/15	11/18/15	4/26/17
C-108	Complete	Complete	Complete	Complete	2/1/08	1/3/08	12/10/08
C-109	Complete 5/11/07	Complete	Complete	Complete 6/19/07	10/5/07	9/5/07	6/5/08
C-110 ^b	11/29/07	4/1/08	3/30/08	4/30/08	12/3/08	11/3/08	7/29/09
C-111	8/18/14	9/21/15	11/21/15	12/21/15	4/28/16	3/28/16	1/31/17
C-112	10/18/13	7/23/14	9/9/14	10/9/14	3/25/15	2/25/15	3/1/17
C-201	Complete	Complete	Complete	Complete	Complete	Complete	Complete
C-202	Complete	Complete	Complete	Complete	Complete	Complete	Complete
C-203	Complete	Complete	Complete	Complete	Complete	Complete	Complete
C-204	Complete	Complete	Complete	Complete	Complete	Complete	8/29/07

a. Completion dates are based on the statused performance baseline as of 7/17/07 and are subject to change as efforts continue to identify and implement schedule efficiencies.

b. Projected dates for C-110 are based on utilizing Modified Sluicing technology and availability of acceleration funding.

SST RETRIEVAL SEQUENCE DOCUMENT

I. Deliverables

- **M-45-02M, Submit Biennial Updates to SST Retrieval Sequence Document (Agreement Appendix I, Section 2.1.2), Double-Shell Tank Space Evaluation Document and Ecology Concurrence of Additional Tank Acquisition Within 60-days**
Due: 3/1/06 (Parties to meet annually to agree on SSTs to be retrieved during the coming year from the tank pool.)
Status: Complete. RPP-21216 Rev. 1B, Single-Shell Tank Retrieval Sequence Document and Double-Shell Tank Evaluation Document, delivered to Ecology on March 13, 2006 (see "Issues" below).
- **M-45-02N, Submit Biennial Update of SST Retrieval Sequence Document (Agreement Appendix I, Section 2.1.2), and Double-Shell Tank Space Evaluation Document and Ecology Concurrence of Additional Tank Acquisition Within 60-days (See Text of M-45-02M for further details)**
Due: 3/1/08 (Parties to meet annually to agree on SSTs to be retrieved during the coming year from the tank pool.)
Status: On schedule
- **M-45-02O, Submit Biennial Update of SST Retrieval Sequence Document (Agreement Appendix I, Section 2.1.2), and Double-Shell Tank Space Evaluation Document and Ecology Concurrence of Additional Tank Acquisition Within 60-days (See Text of M-45-02M for further details)**
Due: 3/1/10 (Parties to meet annually to agree on SSTs to be retrieved during the coming year from the tank pool.)
Status: On schedule
- **M-45-02P, Submit Biennial Update of SST Retrieval Sequence Document (Agreement Appendix I, Section 2.1.2), and Double-Shell Tank Space Evaluation Document and Ecology Concurrence of Additional Tank Acquisition Within 60-days (See Text of M-45-02M for further details)**
Due: 3/1/12 (Biennially thereafter. Parties to meet annually to agree on SSTs to be retrieved during the coming year from the tank pool.)
Status: On schedule

II. Significant Accomplishments

- The "Single-Shell Tank (SST) Retrieval Selection and Sequence", RPP-21216, Revision 2 was transmitted to Ecology on June 29, 2007, addressing milestone M-45-02M.

III. Significant Planned Activities in the Next Six Months

- ORP and Ecology work jointly to develop modeling assumptions and inputs in support of the M-45-02N deliverable.

IV. Issues

- The Single-Shell Tank Retrieval Sequence Document and Double-Shell Tank Evaluation Document (Milestone M-45-02M) has not been approved by Ecology.

TANK RETRIEVALS WITH INDIVIDUAL MILESTONES

Tank 241-C-106

I. Deliverables

- **M-45-05H, Interim Completion of Tank C-106 SST Waste Retrieval and Closure Demonstration Project**
Due: 6/30/04
Status: Completed
- **M-45-05L-T01, Complete Full-Scale C-106 Waste Retrieval**
Due: 11/1/03
Status: Completed
- **M-45-05M-T01, Submit C-106 Waste Retrieval Results, Analysis of Residual Waste(s), and (if appropriate) Request for Exception to the Criteria Pursuant to Agreement Appendix H**
Due: 2/27/04
Status: Completed

II. Significant Accomplishments

None.

III. Significant Planned Activities in the Next Six Months

- Complete revisions to C-106 Appendix H documentation, incorporating Ecology and NRC comments and reflecting the Single-Shell Tank Performance Assessment (SST PA).
- Submit C-106 revisions to NRC to complete their review of the C-106 exception request (concurrent courtesy transmittal to Ecology and EPA).
- Continue SST PA comment resolution with Ecology and EPA.

IV. Issues

- C-106 Closure Plan approval and SST radiological Categorical Notice of Construction Phase 3 (closure) and a toxics categorical NOC application are pending completion of the Tank Closure and Waste Management Environmental Impact Statement and associated Record of Decision (ROD); forecast completion for the final EIS is June 2009.

Tank 241-S-102

I. Deliverables

- **M-45-05C, Complete S-102 Initial Waste Retrieval Project Construction (to Include all Physical Systems Including Those Necessary for Leak Detection, Monitoring, and Mitigation)**
Due: 3/31/04
Status: Completed
- **M-45-06C, Submit a Certified S-102 Component Closure Activity Plan, as an Application for a Modification to the Hanford Site-Wide Hazardous Waste Facility Permit to Ecology**
Due: 9/30/04
Status: Completed
- **M-45-05A, Complete Waste Retrieval from Tank S-102**
Due: 3/31/07
Status: Missed. As a result of equipment failure on March 14, 2007, retrieval operations were suspended at Tank S-102 with retrieval approximately 91% complete and approximately 423,000 gallons total waste removed. ORP and CH2M HILL are implementing recovery actions to complete S-102 retrieval (ORP letter 07-TPD-015, dated March 30, 2007). Retrieval restarted on July 25, 2007 and was suspended after a waste spill on July 27, 2007. Spill recovery actions are in progress.
- **M-45-15, Interim Completion of Tank S-102 SST Waste Retrieval and Closure Demonstration Project**
Due: 12/31/07
Status: To be missed. Change Request pending.

II. Significant Accomplishments

- The Seepex pump was installed in riser 7 and placed into service in July.

III. Significant Planned Activities in the Next Six Months

- Recover from the waste leak of July 27, 2007.
- Resume retrieval.

IV. Issues

- Retrieval of Tank 241-S-102 was not completed by TPA milestone date of March 31, 2007, due to pump failure.

On July 27, 2007 a leak of up to 114 gallons of tank waste occurred from the S-102 pumping system. Operations were suspended and recovery actions started immediately. No contamination outside of the Tank Farm occurred.

- Milestone M-45-15 requires the submittal, by ORP, and approval by Ecology of a "Closure Demonstration Plan" and incorporation of the plan in the Site-wide Permit. Approval of closure plans is being held in abeyance by Ecology until issuance of a Record Of Decision for the Tank Closure

EIS (Ecology letter dated August 15, 2006).

Tank 241-S-112

I. Deliverables

- **M-45-06B, Submit a Certified S-112 Component Closure Activity Plan, as an Application for a Modification to the Hanford Site-Wide Hazardous Waste Facility Permit to Ecology**
Due: 9/30/04
Status: Completed.
- **M-45-03C, Complete Full-Scale Saltcake Waste Retrieval Technology Demonstration at Single-Shell Tank S-112**
Due: 6/30/05
Status: Completed.
- **M-45-13, Interim Completion of Tank S-112 SST Waste Retrieval and Closure Demonstration Project**
Due: 12/31/07
Status: To be missed. Change Request pending.

II. Significant Accomplishments

- Completed volume sampling. Submitted the samples to the laboratory for analysis.

III. Significant Planned Activities in the Next Six Months

- Prepare and submit the S-112 RDR.

IV. Issues

- Milestone M-45-13 requires the submittal, by ORP, and approval by Ecology of a "Closure Demonstration Plan" and incorporation of the plan in the Site-wide Permit. Approval of closure plans is being held in abeyance by Ecology until issuance of a Record Of Decision for the Tank Closure EIS (Ecology letter dated August 15, 2006).

Interim Stabilization Consent Decree

I. Near-Term Deliverables:

- **D-001-00, Complete Interim Stabilization of all 29 SSTs**

Due: 09/30/04

Status: Completed on 03/18/04 with discontinuation of pumping in U-108 and subsequent consultation with Ecology staff. Interim stabilization of S-102 and S-112 held in abeyance by third amendment to the Consent Decree; these two tanks are undergoing retrieval. ORP's obligation to interim stabilize S-102 and S-112 will be satisfied upon completion of retrieval operations. Retrieval of S-102 will be impacted by the recent spill at this tank.

II. Significant Accomplishments:

Retrieval of Tank S-112 complete.

III. Significant Planned Actions in the Next 6 Months:

- Conduct recovery actions from the spill at S-102.

IV. Issues

- Tank S-102 retrieval not completed by milestone M-45-05A date of March 31, 2007. The spill at S-102 will delay completion of this milestone.

Milestone M-23-00, Tank Integrity and Monitoring

I. Near-Term Deliverables:

- None.

II. Significant Accomplishments:

- Transmitted, "241-BY-ITS1 Liquid Level Assessment Report", RPP-RPT-32085, Revision 0, to Ecology on June 8, 2007. This closes out this milestone.

III. Significant Planned Actions in the Next Six Months:

- None

IV. Issues

- Nothing to report.

In Tank Characterization and Summary

For the period from July 1 – July 31, 2007

I. Accomplishments:

- Completed tank 241-AP-101 TSAP, RPP-PLAN-31719, on July 17, 2007.
- Completed tank 241-AP-101 evaporator feed sampling on July 31, 2007.

II. Planned Action within the next Six Months:

Tank Sampling

- Tank 241-SY-102 liquid grab sample events are scheduled in August 2007 and October 2007.
- Tank 241-U-361 push mode core samples scheduled for July 2007.
- Tank 241-AP-108 core corrosion samples scheduled for October 2007.
- Tank 241-S-302 solid grab samples scheduled for September 2007.
- Tank 241-AP-103 liquid grab samples scheduled for November 2007.
- Tank 241-C-109 solid closure samples scheduled for December 2007.

BBI Updates

- Sixteen BBI updates were completed for the third quarter of FY 2007 and published on July 11, 2007.
- Eleven updates are planned for the fourth quarter of FY 2007. One of the eleven has been completed and another five are in preparation.

DQO s

- Complete Evaporator DQO, Rev. 5 in October 2007.
- Complete SST Component Closure DQO, Rev 4 in August 2007.
- Complete Environmental Vapor Stack Sampling DQO in August 2007.
- Complete Vadose Zone Area C DQO in September 2007.

III. Issues:

- None.

Milestone M-47-00, Complete Work Necessary to Support Acquisition and Phase I Operations of Hanford Site High-Level Radioactive Waste Treatment, Storage, and Disposal Facilities

I. Near-Term Deliverables:

- **M-47-02, Complete startup and turnover activities for required transfer system upgrades to allow transfer of first high-level waste feed to the Pretreatment/Treatment Complex.**
Due: 03/31/09
Status: Complete. ORP completion letter submitted to WDOE June 28, 2006, (06-TPD-043). Ecology transmitted close-out letter on 7/25/07.
- **M-47-04, Complete startup and turnover activities for required transfer system upgrades to allow transfer of first low-activity waste feed to the pretreatment/treatment complex. Installation of the pump will not be required until necessary to support WTP waste feed activities.**
Due: 03/31/09
Status: Complete. ORP completion letter submitted to WDOE June 28, 2006 (06-TPD-043). Ecology transmitted close-out letter on 7/25/07.
- **M-47-03A, Complete startup and turnover activities for waste retrieval and mobilization systems for selected initial high-level waste feed tank.**
Due: 03/31/09
Status: Pending path forward with Ecology for renegotiation of new milestone commitments.
- **M-47-06, Complete negotiation of additional agreement requirements (milestones, target dates, and associated language) governing work necessary to support completion of treatment complex Phase I operations by 2018.**
Due: 06/30/10
Status: Negotiations are not yet underway.

II. Significant Accomplishments:

- Received Ecology close-out letter for Milestones M47-02 and 04.

III. Significant Planned Actions in the Next Six Months:

- Complete actions as outlined in close-out letter by Ecology.

IV. Near-term Actions Needed by DOE or Ecology:

- Receive Ecology concurrence that action and TPA Milestones M-47-02 and M-47-04 are complete (06-TPD-043).

V. Issues:

- Nothing to report.

242-A Evaporator Status (previously reported under Milestone M-62, which has been closed out).

EVAPORATOR CAMPAIGNS

Fiscal Year	Campaign No.	Feed Source	Slurry Tank	Comments
FY07	07-01 (07-02)	AN-106/AY-102 (AW-102)	AP-103	AN-106 and AY-102 candidate feed staged and sampled in AW-102. Completed 7/22/07.
FY07	07-02 (08-01)	AP-104	AP-103/ AP-104	Campaign 08-01 is being accelerated to be performed as Campaign 07-02 back-to-back with 07-01
FY08	08-01 (09-01)	AP-105	AP-104	Baseline planning underway to accelerate campaign 09-01 into FY08. If approved, campaign to be performed as 08-01.
FY09	09-01 (09-02)	AP-105 or AP-107	AP-105 or AP-107	Baseline planning underway to accelerate Campaign 09-02 into FY08. If approved, campaign to be performed as 08-02.

Milestone M-48-00, DST Integrity Assessment Program

I. Deliverables:

- **M-48-14, Submit Written Integrity Report for the DST System**
Due: 3/31/06
Status: Complete.
- **M-48-15, Submit a Report to Ecology for the Re-examination of Six DSTs by Ultrasonic Testing**
Due: 9/30/07
Status: On schedule.
- **M-48-00, Complete Tank Integrity Assessment Activities for Hanford Double Shell Tanks System**
Due: 9/30/07
Status: On schedule.
- **M-48-07, Submit To Ecology a Disposition Plan for All DST Components Not In Use Post 2005.**
Due: 12/16/2000
Status: Complete.
- **M-48-07b, (Embedded milestone) Isolation, Stabilization and Monitoring (i.e., administrative and/or engineering controls in place to prevent use within twelve (12) months, or sooner, from the date of removal from service.**
Due: 06/30/2006
Status: Complete.
- **M-48-07A, Complete Construction of the AZ-301 Condensate Return System and Pit Upgrades. This includes construction of the AZ-301 condensate return, removal of AZ-151 catch tank from service, construction of the AP-106A central pump pit upgrades, and construction of the SY-B valve pit upgrade (milestones M-48-07A-A, M-48-07A-B & M-48-07A-C).**
Due: 06/30/06
Status: Complete.
- **M-48-07A-A, Complete Construction of the AZ-301 Condensate Return System and Pit Upgrades Remove the AZ-151 Catch Tank System from Service.**
Due: 10/31/05
Status: Complete.
- **M-48-07A-B, Complete construction of the AZ-301 condensate return system and pit upgrades. This includes: 2) Completion of construction for the 241-AP-106A Central Pump Pit upgrade (remove**

existing equipment, evaluate pit integrity, and replace pit coating (if necessary) by March 31, 2006.

Due: 3/31/06 AP-106A Central Pump Pit Upgrade (Evaluate integrity of pit and replace pit coating if necessary).

Status: Complete.

- **M-48-07A-C, Complete construction of the AZ-301 condensate return system and pit upgrades. This includes: 3) Completion of construction for the 241-SY-B Central Pump Pit upgrade (remove existing equipment, evaluate pit integrity, and replace pit coating (if necessary) by June 30, 2006.**

Due: 6/30/06 for complete construction for the 241-SY-B Valve Pit Upgrade (Evaluate integrity of pit and replace pit coating if necessary).

Status: Complete.

II. Significant Accomplishments:

- Completed the AN-107, AW-103, AN-106, AY-101, AZ-101, AZ-102, and AP-107 primary videos.
- Completed AZ-101 and AZ-102 annulus video.
- Completed AZ-101, UT examination (this will complete 6 out of 6 UT examinations for the M-48-15 milestone).
- Completed AN-A/B Valve Pit re-inspection and perform SL-168 encasement pipeline pressure testing.

III. Significant Planned Actions in the Next Six Months:

- Prepare and Release Video Assessment Reports for AN, AY and AZ Tank Farms
- Prepare and Release UT Reports for 241-AY-101, 241-AZ-101 and 241-AN-106.
- Complete Milestone M-48-15, which in turn complete Major Milestone M-48-00.

IV. Issues

- None

Milestone M-90-00, Complete Acquisition of New Facilities, Modifications of Existing facilities, and/or Modifications of Planned Facilities, as Necessary for Storage of Hanford Site Immobilized High Level Waste (IHLW), Immobilized Low Activity Waste (ILAW), and Disposal of ILAW, and M-20-00, Submit Part B Permit Applications.

I. Near-Term Deliverables:

- **M-20-56, Submit Canister Storage Facility Part B Permit Application**
Due: 6/30/03
Status: **Complete.**
- **M-20-57, Submit ILAW Disposal Facility Certified Part B Permit Application to Ecology**
Due: 6/30/03
Status: **Complete.**
- **M-90-09-T01, Complete Detailed Design of ILAW Disposal Facility Critical Systems to 80%**
Due: 5/30/03
Status: **Complete.**
- **M-90-08, Initiate ILAW Disposal Facility Construction**
Due: 2/28/05
Status: **Complete.**
- **M-90-10, Ready To Accept Placement of ILAW Waste in ILAW Disposal Facility.**
Due: 8/31/08
Status: **Closed.**
- **M-90-11, Complete Canister Storage Facility Construction**
Due: 8/31/10
Status: **To Be Missed. To be renegotiated to align with WTP schedule.**

II. Significant Accomplishments:

Completed the Agency initiated 45-day public comment period for modifications of the IDF Permit for the Custodian Care Phase Requirements – April 23, 2007 June 8, 2007

III. Significant Planned Actions in the Next Six Months:

- Determine sagebrush survival and initiate nursery planting of additional sagebrush to meet requirements of the Mitigation Action Plan – Summer/Fall 2007.

- Place gravel layer on portions of the North and East side slopes to provide added protection for wind erosion – Prior to Winter Weather 2007.
- Ecology prepare and issue responsiveness document for public comment received on proposed IDF Permit modification.– September 2007.
- By agreement between ORP and Ecology, withdrawal of the Canister Storage Facility Part B Permit Application and Part A are under consideration, due to the fact that WTP operating schedule has been pushed out and the facility will not be needed as early as previously anticipated – September 2007.

IV. Issues

- None.

Hanford Waste Treatment and Immobilization Plant (WTP) Project

Pretreatment (PT) Facility

The PT Facility will separate the radioactive tank waste into High Level Waste (HLW) and Low Activity Waste (LAW) fractions and transfer each waste type to the respective vitrification facility for immobilization. Facility construction began November 2002 and the construction completion date is October 2014. Currently the design is 69% complete and construction is 24% complete.

The focus for the PT Facility continues to be on resolution of major technical issues relating to caustic leaching, Pulse Jet Mixer (PJM) overflow, vessel mixing, vessel erosion, Hydrogen in Piping and Ancillary Vessels (HPAV), Capacity Modifications, and the Revised Ground Motion issue.

The Pretreatment Engineering Platform (PEP), previously called the Engineering Scale Pretreatment System, is a test platform designed to test the caustic leaching and Ultrafiltration processes. The design effort continues to be ahead of schedule, critical procurements are on schedule, and the skids are on schedule for delivery in December 2007. Modifications that are required at the Process Development Laboratory – West (PDL-W) facility where the PEP will be assembled and tested, are running a little behind schedule due to delays in moving current testing work to other facilities. Since the PDL-W modifications are scheduled for completion more than a month before the skids are scheduled to arrive this delay should not impact the project schedule. Cold testing is still scheduled for February – March of 2008.

BNI determined there was a possibility that more than one pulse jet mixer (PJM) could overflow simultaneously; this is referred to as a multiple overflow (MOB). In order to validate the current design criteria, testing using eight and four PJM arrays are being accomplished. Testing of a 4 PJM array was expected to be underway but difficulties with instrumentation and equipment being able to attain test velocities is slowing the shakedown testing. It is anticipated that testing will be resumed later in August.

In response to the External Flowsheet Review Team recommendations BNI has been evaluating line plugging and mixing in the various systems within the PT facility. In doing so, they have reevaluated the capabilities of the plant as design and found that between 1% and 3% of the waste could cause mixing or line plugging difficulties. Modification to the facility to accommodate these larger particles may prove to be more difficult and costly than establishing waste acceptance criteria that will exclude these particles from the plant. BNI, CHG, and DOE plan to look at alternative methods for resolving this issue through the Interface Control Document for Waste Feed (ICD-19) integration team. A briefing on this topic was presented to the DOE and Ecology management as well as a representative of the DNFSB by BNI and CHG

representatives. A plan and outline of the study have been prepared by the ICD team and BNI has initiated work on the study and expects to complete the study by the end of the calendar year.

The erosion test plan has been prepared by the testing subcontractor and they have completed shakedown testing of the test apparatus. They also made changes to their test procedures during these test to ensure that they are correct prior to the initiation of the actual testing. Testing is expected to start in late August or September and be completed by the end of September. These tests are primarily designed to close EFRT issues and it is recognized that additional testing may be required to resolve DOE and Ecology issues. Until the testing has been completed the project is maintaining access to the wear plates in the vessels currently in the fabrication shop. With the exception of cooling jackets, PJM cones, and vessel nozzles installation, vessel fabrication has been on hold pending resolution of technical and permitting issues.

Construction activities are expected to resume in October 2007 rather than January 2008. The BNI construction organization is preparing for the resumption of construction on the PT facility in October 2007. An individual has been selected to coordinate and lead the BNI efforts to ensure that everything necessary for the safe and efficient resumption of construction is in place. They have also prepared draft lines of inquiry (LOI) and they are currently being reviewed by various parts of the BNI organization. A schedule of activities will be prepared in the near future and BNI is targeting the last week in August for the review that will utilize the LOIs

Risk mitigation actions continue to be worked and completed. The risk posture for the WTP project remains moderate. Nine of 51 Engineering, Procurement, Commissioning, and Construction (EPCC) risks and 5 of 35 technical and programmatic (TPRA) risks have been closed.

Commodity	Unit of Measure	Installed during this period	Installed to date	Percentage installed to date
Concrete	1000 CY	0	77.13	68.76%
Structural Steel	1 Ton	0	3,010.00	18.36%
Pipe	1000 LF	0	36.95	7.01%
Cable Tray	1000 LF	0	0.34	0.94%
Conduit	1000 LF	0	17.13	8.64%
Cable & Wire	1000 LF	0	0.00	0.00%

Facility	Milestone	Scheduled	Projected
PT	Complete PJM Multiple Overblow Test	3/07	9/07
	Approve PJM Multiple Overblow Final Report	6/07	1/08
	Receive Oxidative Leaching Test Draft Report	5/07	8/07
	EFRT Recommendation M2, Perform Submerged Jet Test	6/07	10/07

High-Level Waste Vitrification Facility

The WTP project has a revised baseline schedule incorporating the "Execution Revision" strategy of completion of construction of LAW facility first, EFRT scope and capacity modifications. Revised schedule has been issued in June 2007. Congressional language restricts the construction of HLW and PT until the certification of the final seismic criteria is obtained from the Secretary of Energy. Based on that, the construction of the HLW Facility has been suspended since January 2006, and the only ongoing construction activity has been the installation of non-seismic fire water piping at el. -21' by Patriot Fire Protection. Application of special protective coatings for Concrete slabs and walls at el. (-) 21'-0" has been completed. Development of WTP site specific ground motion (WSGM) design spectra) based on the soil characterization data collected from the deep boreholes drilled to ~1400 ft below ground level has been completed in July 2007, confirming that the current design basis Revised Ground Motion (RGM) is bounding by a margin of 30%. The Secretarial certification of the seismic criteria is in concurrence and anticipated to be received by August 15, 2007. This will allow resumption of construction in HLW and PT facilities. BNI has successfully completed a detailed construction readiness review to ensure that construction can resume safely, once the Secretarial certification is obtained. Pre-start punchlist items are in the process of being closed.

Key design activities ongoing are the concrete walls, slabs and supporting steel, embedded plates, Joggle reverification and piping design for 0'-0" to 14'-0" elevations to support upcoming construction effort. In addition, HLW is working towards expediting construction remobilization to FY 07 from the planned start in FY 08 to reduce the construction load in peak years. Staffing increase has been aggressively pursued, and the required level is anticipated to be met by August 2007.

- Re-design of concrete slabs at 0'-0" and 14'-0", and the walls and embedments for the walls between el. 0' and 14' have been completed. Design of rebar and embedments for slabs at el. 14' have been completed in July 2007. Calculations for the connections for the steel framing for the floor at 37'-0" and 22 crane runways have been issued. Dynamic analysis for the HLW facility has been revised again in January 2007 after the stiffening of the roof structure to accommodate the larger seismic forces due to RGM. Impacts of the revised dynamic analysis on the equipment have been completed. Joggle fabrication drawings for 14'-0" have been prepared, and fabrication contracts (critical for early construction) have been awarded. Engineering review of the equipment layout drawing for elevation 58' has been completed. Piping for the non-radioactive liquid disposal system and Concentrate

Receipt System and PVV system for early planning area 11 have been issued. PNNL submittal for HLW HV-C2 stack qualification has been reviewed and accepted.

Material Requisition for CCTV cameras to include radiation tolerant cables for HLW have been issued, which will allow placing the purchase order for 74 HLW cameras. BNI has completed white paper outlining how the project has interpreted the OSHA crane clearance from obstruction requirements based on the robust structure of the facility walls, fixed rails, and design features of the high integrity cranes.

Fabrications of some of the shielded doors have been delayed due to the vendor, Unidynamics Inc, declaring bankruptcy in 2006. Contract has been awarded to Oregon Iron Works (OIW) for taking over the partially completed shield doors for completion. Purchase Order (worth ~\$3M) for the HLW melter bus and power supply has been awarded to ABB. Significant efforts are being exerted to improve the Commercial Grade Dedication (CGD) process at BNI and at the vendor shops to ensure that NQA-1 requirements are met. QL systems, Thermal Catalytic Oxidizer (TCO) and PreHeaters were awarded to a commercial vendor EPCON. EPCON has awarded a purchase order for a QL vendor WEST METALS to establish a NQA-1 program at the EPCON facility to enable EPCON to perform "Q" fabrication. Canister Lid Welders and Weld Machine Cameras have been received.

Low Activity Waste (LAW) Vitrification Facility

Annex structural steel installation continues on the north side of the LAW Facility.

Craft continues to place rebar, and embeds to support the periodic placement of the container export bay walls between 20' and 30'. Concrete placements are being performed to complete the container import bay exterior walls.

Container import bay concrete pad has been placed.

Melter Assembly Pad mudmats and underground conduit has been installed. The mudmat placed and the bottom mat of rebar installed.

Piping, conduit and cabling installation is continuing at the facility lower levels while construction craft completes painting and installation of ventilation of ducting at the upper levels.

Piping and hanger installation is proceeding on the -21', 3' and 28'' levels. Conduit installation is proceeding on the -21', 3' and 28' levels. Cable tray is being installed at the 28' and 48' levels. Ventilation ducting and insulation is being installed at the 48' level. Fireproofing repairs are underway at the 3', 28' and 48' levels. Structural steel and decking is being painted on the -21', 3', 28' and 48' levels. Ducting and hangers are being installed in the finishing lines. Annex structural steel installation continues on the north side of the LAW Facility.

Commodity	UOM	Engineering		Construction	
		Total Quantity At Completion	Release Act to Date	Install Act to Date	Install Act %
Concrete	1000 CY	28.54	27.30	24.86	87.08%
Structural Steel	1 TN	6188	5846	4862	78.57%
Pipe	1000 LF	101.88	95.46	38.46	38.25%
HVAC	1000 LB	932.70	864.70	528.59	56.67%
Cable Tray	1000 LF	15.62	15.4	11.01	70.53%
Conduit	1000 LF	164.99	67.63	26.24	15.90%
Cable & Wire	1000 LF	842.60	317	0	0.00%
Terminations	1000 EA	51.38	25.85	0	0.00%

Analytical Laboratory (LAB)

Structural steel installation is nearly complete. Internal members and the exhaust stack must be installed. Structural steel bolts are being torqued as part of permanent installation activities. Girts and sag rods are being installed in the facility. Rebar, sleeve, embed and conduit installation continues in the mezzanine level.

HVAC, electrical supports and fire protection piping is being installed in the hotcell. Wall and floor preparations continue in support of Special Purpose Coating application.

The last of six placements for the main portion of the 17' level have been completed. Rebar and sleeves are being installed at the panhandle section of the 17' level to support future placement of the concrete decking. Special Protective Coatings are being installed in the Hot Cell.

The first siding panel has been installed working to completely dry in the facility.

Commodity	UOM	Engineering		Construction	
		BETK Qty	Release Act to Date	Install Act to Date	Install Act %
Concrete	1000 CY	12.43	11.86	10.80	86.92%
Structural Steel	1 TN	1,720.00	1,720.00	1,297.00	75.41%
Pipe	1000 LF	36.53	25.98	9.22	25.24%
HVAC	1000 LB	314.50	314.50	4.57	1.45%
Cable Tray	1000 LF	2.77	2.77	0.00	0.00%
Conduit	1000 LF	50.95	6.88	0.96	1.89%
Cable & Wire	1000 LF	172.43	22.01	0.00	0.00%
Terminations	1000 EA	11.65	0.00	0.00	0.00%

Balance of Facilities (BOF)

Construction forces continue to rework the feed lines between HLW and PT to repair the pipes' inadequate slope. Repairs to four of the pipes are complete and repairs are ongoing on the other four pipes. The stainless steel pipe has been welded and the slope verified to ensure that has a minimum 0.5% slope. Pipe slope can only be verified after all welding has been completed.

Commodity installation in the Compressor Chiller Plant (CCP) is a major work scope for BOF. Construction forces are continuing the installation of large bore pipes and hangers, cable trays hangers and electrical motor starters in the CCP.

The first three Chiller Compressor Plant Air Dryers have been received and installed. BNI worked with the fabricator for several months to resolve the technical and workmanship issues with the dryers.

Issues continue with the delivery of the Glass Former Storage Facility silos. BNI's contractor is working at near 100% capacity meeting ethanol production facility needs, pulls material out of the production sequence when problems are found, and is not motivated to meet the BNI schedule. BNI has assigned a senior procurement expeditor to work directly with the contractor to get the silos completed and ready for delivery.

		Engineering		Construction	
Commodity	UOM	BETK Qty	Release Act to Date	Install Act to Date	Install Act %
Concrete	1000 CY	18.42	10.61	10.27	55.76%
Structural Steel	1 TN	1,582.00	728.00	221.00	13.97%
Pipe	1000 LF	51.60	29.91	6.88	13.33%
Pipe Hangers	1 EA	1,643	1,165	258	15.70%
UG Pipe	1000 LF	124.90	111.61	103.73	83.05%
Cable Tray	1000 LF	4.57	2.85	1.58	34.46%
Conduit	1000 LF	63.18	41.59	17.67	27.97%
UG Conduit	1000 LF	187.81	177.23	176.33	93.89%
Cable & Wire	1000 LF	674.96	297.91	176.85	26.20%
Terminations	1000 EA	24.76	5.80	0.86	3.47%

Balance of Facilities Construction Completion Status

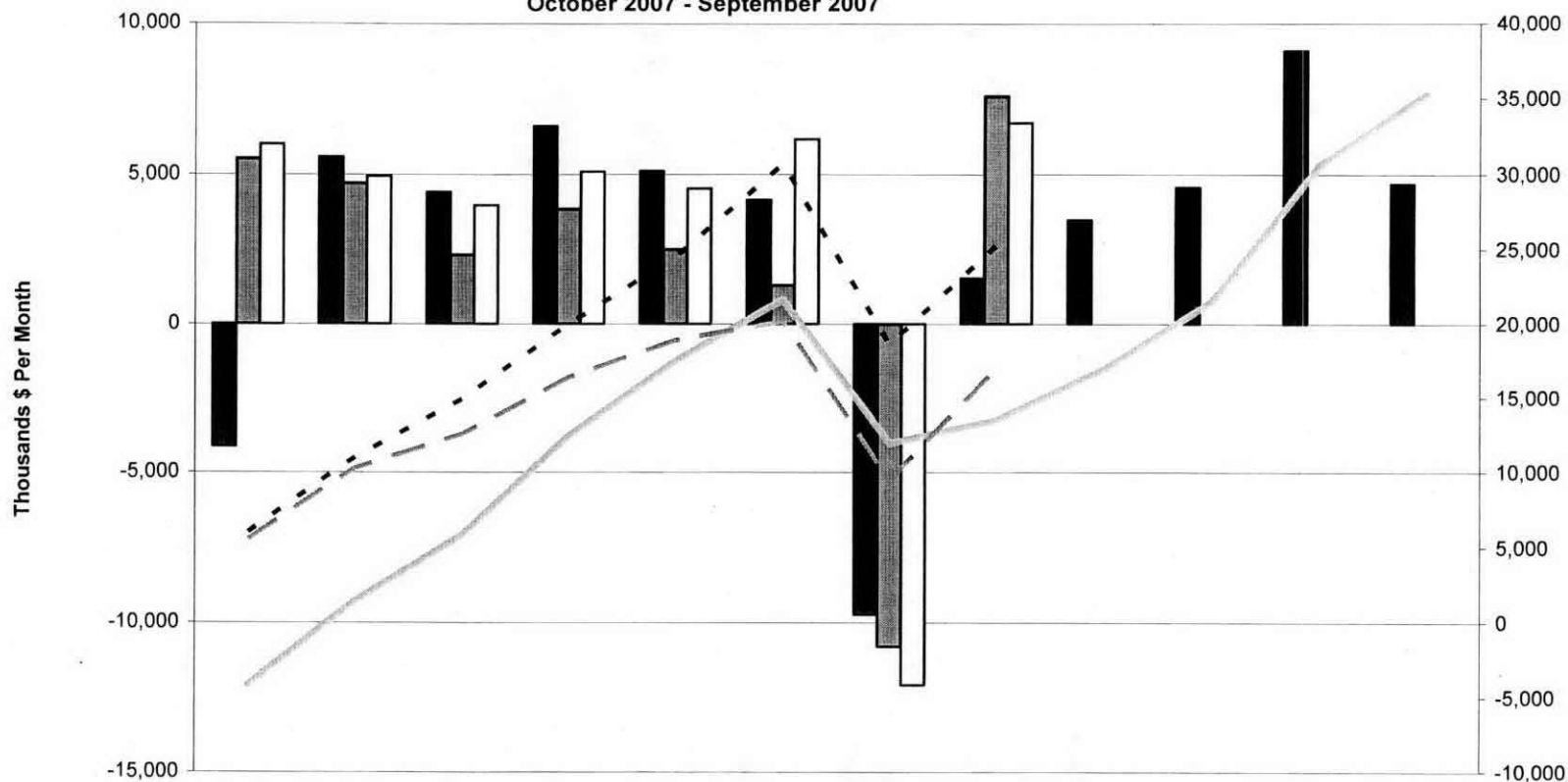
Facility	Engineering % Complete	Construction % Complete	Scheduled Completion Date	Value \$k
1.05 Balance of Facilities Common Scope	48%	34%	14-Jul	\$251,448
1.5A Site Work	88%	46%	14-Jul	\$102,928
1.5B Administration Building (convert from temp)	2%	0%	14-Jul	\$5,229
1.5C Cooling Tower Facility	99%	99%	6-Oct	\$6,816
1.5D Fire Water Pump House Facility	97%	94%	7-Oct	\$1,408
1.5E Fuel Oil Facility	99%	87%	6-Nov	\$1,204
1.5F Diesel Generators Facility	44%	0%	11-Nov	\$5,033
1.5G Glass Former Storage Facility	87%	9%	10-Sep	\$4,976
1.5H Guard House Facility	100%	100%	COMPLETE	\$7
1.5J Chiller Compressor Plant	96%	77%	8-Jun	\$15,415
1.5K Steam Plant Facility	100%	99%	8-Sep	\$8,626
1.5L Wet Chemical Storage Facility	100%	0%	13-Dec	\$4,498
1.5M Water Treatment Building	100%	69%	7-May	\$4,280
1.5N Non-Dangerous, Non-Radioactive Effluent Facility	100%	64%	7-Oct	\$1,405
1.5P Switchgear Building	96%	70%	11-Apr	\$4,168
1.5Q ITS Switchgear Building	100%	76%	12-Feb	\$1,990
1.5S Erected Tanks - Process/Potable	100%	99%	COMPLETE	\$5,214
1.5T Failed Melter Storage	11%	2%	10-Apr	\$1,647
1.5V BOF Switchgear Building	89%	81%	11-Apr	\$3,586
1.5Y Simulator Facility	100%	86%	10-Aug	\$7,384
1.5Z Anhydrous Ammonia	15%	0%	8-Sep	\$858

Significant Planned Actions (next six months):

Activity Description	Additional Description	Date
LAW -Flag- Vendor Insul. Liner Design Approval	Subcontractor (CB&I) detailed design for pour cave, critical sequence (cooling panels/pipe)	18-Oct-07
LAW -Flag- Dlvr LVE Melter Heater Power Supplies	Will support start of electrical equipment install in Elev. -21 PA05 ... MVE equipment to follow in 2008	17-Sep-07
LAW - Process Area Partition Walls S/C Award	Current plan improvement to Jun07 ... Important to release bulk electrical & elevator install.	25-Oct-07
LAW -Flag- Install 3,800 lf Pipe (PA10, El. -21)	85% of total corridor pipe (ref only) ...includes PA #10D key sequence with bus duct and HVAC. Bulk milestone will need Teamworks work package statusing scheme.	24-Sep-07
LAW -Flag- Complete Annex Basemat		21-Aug-07
LAW -Flag- Complete Export Bay Concrete Walls	PA06B Export Bay EL+03 ... (8) placements, 920 cyds (ref only)	28-Nov-07

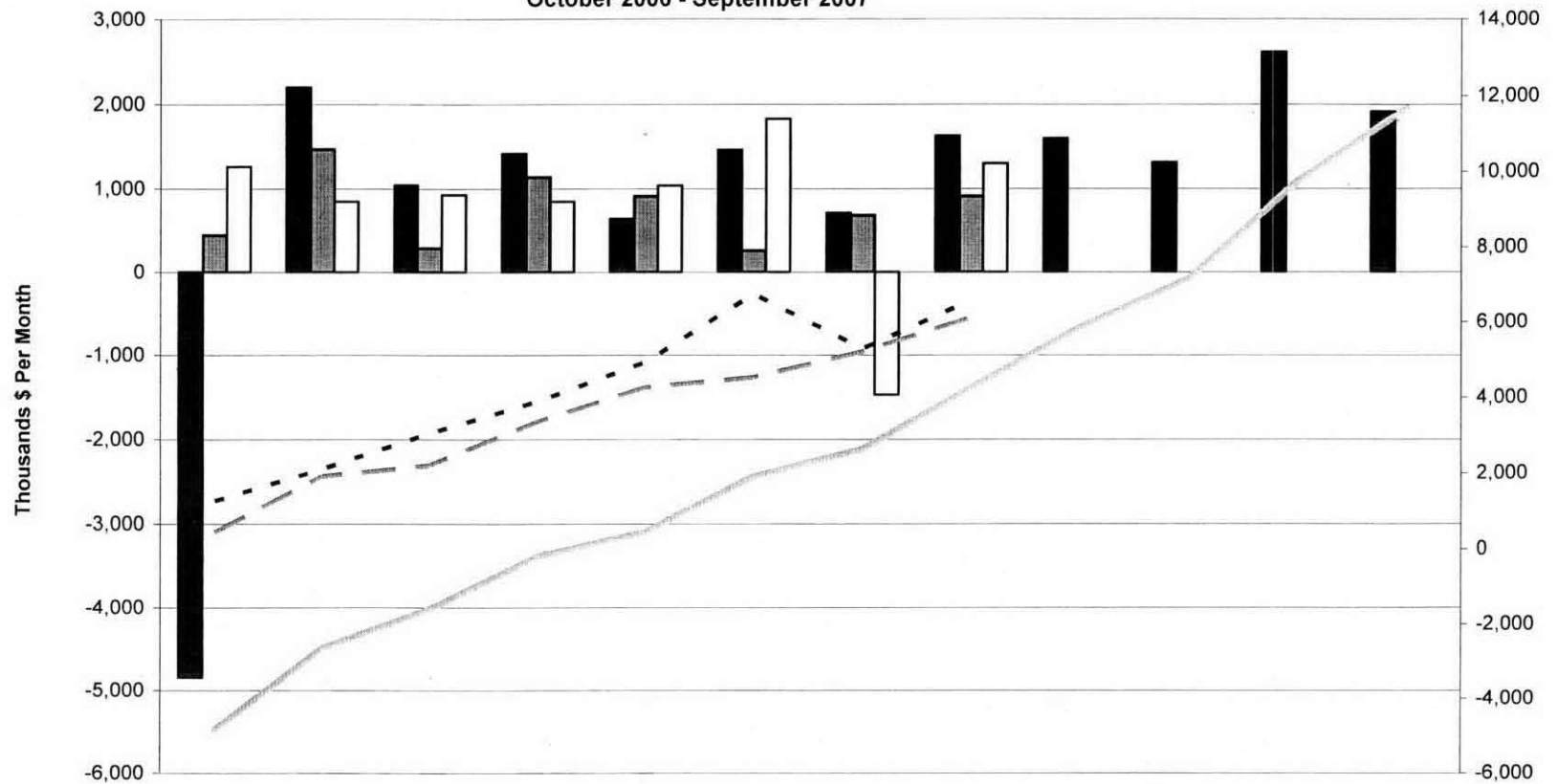
LAW -Flag- Complete Annex Structural Steel	Releases building for EPC Subcontractor installations & follow-up BNI activities	8-Oct-07
GEN -Flag- Award 4.16kV Emergency Diesel Gen. PO	Current schedule forecast Jan 08	19-Sep-07
BOF - Flag - Complete Steam Plant Construction	Excludes communications systems installation by BNI craft.	28-Aug-07
LAW -Flag- Install 5,700 lf Pipe (PA11, El. +03)	82% of total corridor pipe (ref only). Represents the transition of bulks up the bldg.	24DEC07*
LAB -Flag- Complete Production Piping Iso Design	Excludes ASX piping (PVC), awaiting design inputs from BNG due in late 2007	5-Nov-07
LAB -Flag- Deliver C5V HVAC Exhaust Fans	Suspended due to Vendor CGD issues. Vendor release expected in July 2007.	26-Nov-07
LAB - Flag Install Roofing & Exterior Siding*	To support winter 2007/08 activities	24-Oct-07
BOF -Flag- Complete Water Treat. Bldg. Const.		27-Nov-07

Low Activity Waste
WTP Fiscal Year to Date Performance (\$ In Thousands)
 October 2007 - September 2007



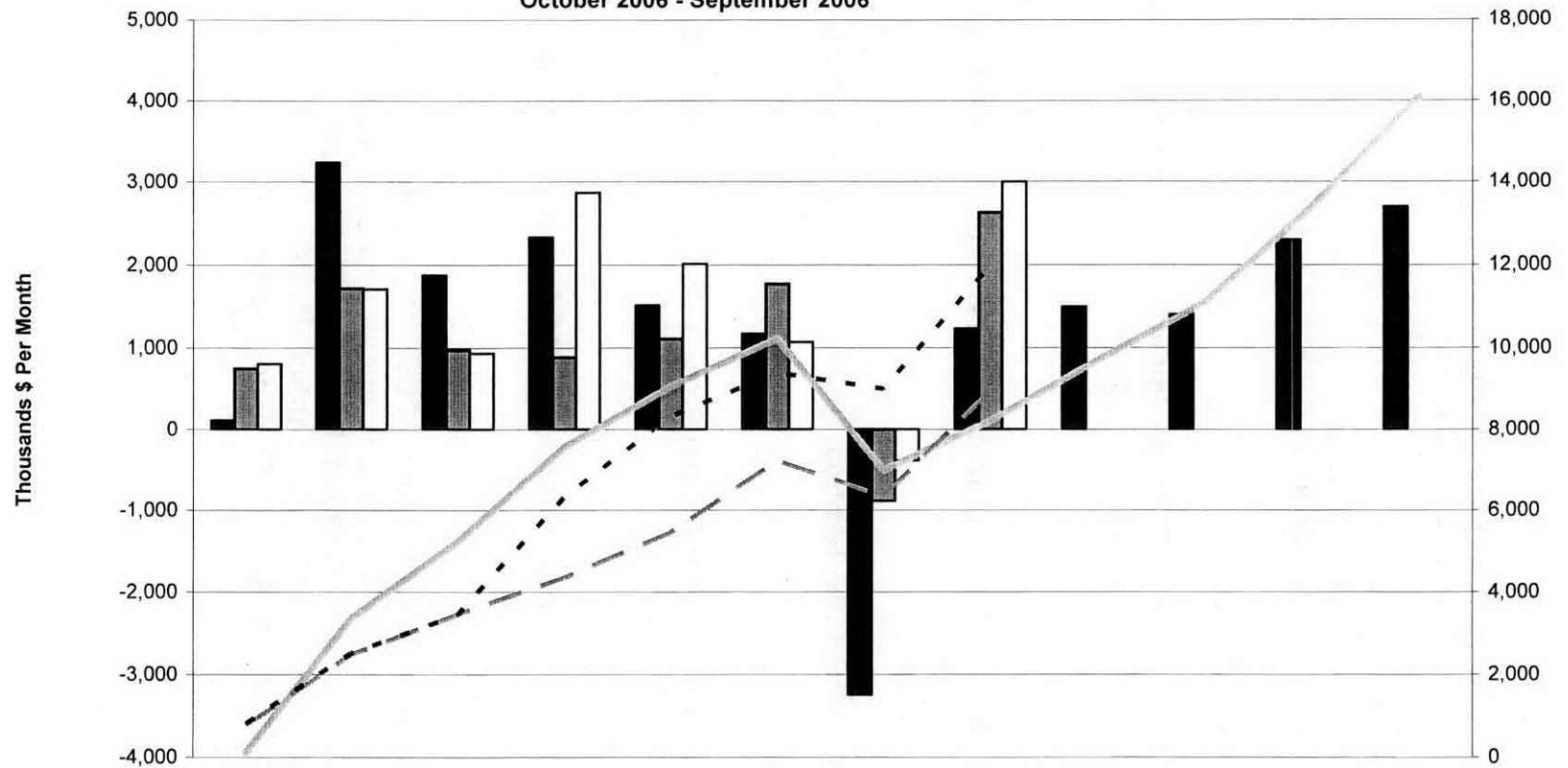
	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
■ Mthly Plan (BCWS)	-4,154	5,562	4,407	6,586	5,100	4,143	-9,733	1,544	3,478	4,554	9,073	4,670
▨ Mthly Perf (BCWP)	5,505	4,699	2,313	3,843	2,507	1,315	-10,798	7,586				
□ Mthly Actuals (ACWP)	5,995	4,929	3,965	5,077	4,525	6,162	-12,077	6,694				
— FYTD Plan (BCWS)	-4,154	1,408	5,816	12,401	17,501	21,644	11,911	13,455	16,932	21,486	30,559	35,229
▨ FYTD Perf (BCWP)	5,505	10,204	12,517	16,359	18,866	20,181	9,384	16,970				
- - FYTD Actuals (ACWP)	5,995	10,925	14,890	19,966	24,491	30,653	18,576	25,270				

Balance of Facilities
WTP Fiscal Year to Date Performance (\$ In Thousands)
 October 2006 - September 2007



	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Mthly Plan (BCWS)	-4,847	2,196	1,041	1,416	640	1,460	709	1,628	1,597	1,312	2,610	1,912
Mthly Perf (BCWP)	447	1,472	289	1,139	912	262	682	912				
Mthly Actuals (ACWP)	1,263	846	926	848	1,037	1,827	-1,472	1,299				
FYTD Plan (BCWS)	-4,847	-2,651	-1,611	-194	445	1,905	2,614	4,242	5,839	7,150	9,761	11,673
FYTD Perf (BCWP)	447	1,919	2,207	3,347	4,259	4,521	5,202	6,114				
FYTD Actuals (ACWP)	1,263	2,109	3,035	3,883	4,920	6,747	5,275	6,574				

Analytical Laboratory
WTP Fiscal Year to Date Performance (\$ In Thousands)
 October 2006 - September 2006



	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
■ Mthly Plan (BCWS)	110	3,239	1,870	2,328	1,508	1,165	-3,247	1,227	1,491	1,398	2,297	2,694
▨ Mthly Perf (BCWP)	750	1,717	976	886	1,111	1,771	-891	2,625				
□ Mthly Actuals (ACWP)	805	1,705	932	2,865	2,010	1,068	-390	2,995				
— FYTD Plan (BCWS)	110	3,348	5,218	7,546	9,054	10,220	6,973	8,200	9,691	11,089	13,386	16,080
- - FYTD Perf (BCWP)	750	2,467	3,443	4,329	5,440	7,211	6,320	8,945				
- . - FYTD Actuals (ACWP)	805	2,511	3,442	6,307	8,317	9,385	8,995	11,990				

Milestone M-62-00, Complete Pretreatment Processing and Vitrification of Hanford High-Level (HLW) and Low-Activity (LAW) Tank Wastes.**I. Near-Term Deliverables:**

- **M-62-00, Complete Pretreatment Processing and Vitrification of Hanford High-Level (HLW) and Low-Activity (LAW) Tank Wastes.**
Due: 12/31/2028
Status: To Be Missed
- **M-62-00A, Complete WTP Pretreatment Processing and Vitrification of Hanford HLW and LAW Tank Wastes.**
Due: 02/28/2018
Status: To Be Missed
- **M-62-01M, Submit Semi-Annual Project Compliance Report.**
Due: 07/31/2006
Status: Completed
- **M-62-01N, Submit Semi-Annual Project Compliance Report.**
Due: 01/31/2007
Status: Completed
- **M-62-01O, Submit Semi-Annual Project Compliance Report.**
Due: 07/31/2007
Status: Completed
- **M-62-03, Submit DOE Petition for RCRA Delisting or Vitrified HLW.**
Due: 12/31/2006
Status: Completed.
- **M-62-07B, Complete Assembly of Low Activity Waste Vitrification Facility Melter #1 So That It Is Ready for Transport and Installation in the LAW Vitrification Building (BNI Baseline Schedule Activity 4DL321A200 as Part of DOE Contract No. DEAC27-01RV14136), and Complete Schedule Activity ID 4DH46102A2 – Move #1 Melter into the High Level Waste Vitrification Facility.**
Due: 12/31/2007
Status: To Be Missed

- **M-62-08, Submittal of Hanford Tank Waste Supplement Treatment Technologies Report, Draft Hanford Tank Waste Treatment Baseline and Draft Negotiations Agreement in Principle.**

Due: 06/30/2006

Status: Missed – Insufficient information to compare technologies due to delays in constructing the Demonstration Bulk Vitrification System (DBVS) and lack of WTP cost and schedule information.

1. Significant Accomplishments:

- Continued preparation for FY2007 integrated dryer/38D full-scale melt test.
- Completed preliminary designs for the simplified Off Gas Treatment System and the auger-based Dried Waste Transfer System.
- Completed development of the draft project cost estimate and schedule baseline to be subjected to External Independent Review in support of Critical Decision 2, "Approve Performance Baseline."

2. Significant Planned Actions in the Next Six Months:

- Conduct full-scale dryer testing.
- Conduct IDMT.
- Receive Critical Decision 2.

3. Issues:

- Resolution of the MIS issue must be demonstrated during the integrated dryer/38D full-scale melt test.

- **M-62-09, Start Cold Commissioning – Waste Treatment Plant.**

Due: 02/28/2009

Status: To Be Missed

- **M-62-10, Complete Hot Commissioning – Waste Treatment Plant.**

Due: 01/31/2011

Status: To Be Missed

- **M-62-11, Submit a Final Hanford Tank Waste Treatment Baseline.**

Due: 06/30/2007

Status: Missed

II. Significant Accomplishments:

- None

III. Significant Planned Actions in the Next Six Months:

- None

IV. Issues:

- ORP formally informed Ecology that the Milestone M-62-08 due date was not achievable. The Milestone requires submittal of a Supplemental Treatment Technologies Report that provides a recommendation describing the technical and financial alternatives for selection of a technology, or a second WTP ILAW plant, which in combination with the WTP could be implemented to treat all of the Hanford tank waste. In a letter dated December 26, 2006, Ecology requested ORP provide the current state of information on the supplemental low-activity waste treatment options. ORP and CH2M HILL met with Ecology on January 11, 2007, to agree on information to be provided to satisfy the Ecology request. All information requested for the DBVS Project has been submitted. Information requested on Steam Reforming is still being worked.



Agenda August 16, 2007

Office of River Protection
Quarterly Milestone Review Meeting
 Ecology Conference Room 3A, 3100 Port of Benton Blvd., Richland

Chairperson: Cheryl Whalen

9:00 a.m. – 11:40 a.m.

Page	Topic	Leads	Time
3	TPA Milestone Statistics	Woody Russell Suzanne Dahl / Jeff Lyon	9:00
44	M-45, -50, -60 Single-Shell Tank Corrective Action	Bob Lober / Joe Caggiano	9:10
47	M-45-00, Complete Closure of All Single- Shell Tank Farms	Roger Quintero / Jeff Lyon	9:30
56	Interim Stabilization Consent Decree	John Long / Nancy Uziemblo	10:00
57	M-23-00, Tank Integrity and Monitoring	John Long / Jeff Lyon	10:10
58	In Tank Characterization and Summary	John Long / Michael Barnes	10:20
59	M-47-00, Tank Waste Treatment, Storage and Disposal Facilities	Corbun Babel / Les Fort	10:30
61	M-48-00, DST Integrity Assessment Program	Andy Stevens / Les Fort	10:40
63	M-90-00, Complete Acquisition of Facilities for Interim Storage of IHLW and Storage/ Disposal of ILAW and M-20, Part B Permits	Andy Stevens / Bud Derrick	10:50
	BREAK		
13	FY 2007 ORP TPA Cost & Schedule Performance (CHG)	Janet Diediker Suzanne Dahl / Jeff Lyon	11:10
83	M-62-08, M-62-11 Bulk Vitrification/Supplemental Technologies	Dennis Irby/Suzanne Dahl	11:20
65	BNI Cost & Schedule Performance and M-62-00, Complete Pretreatment Processing and Vitrification of Tank Wastes	Bruce Nicoll / Pete Furlong / Wahed Abdul / Suzanne Dahl	11:30

August 16, 2007

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August 16, 2007

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